SUPPORTING INFORMATION

A Hammett's Analysis of the Substituent Effect in Functionalized Diketopyrrolopyrrole (DPP) Systems: Optoelectronic Properties and Intramolecular Charge Transfer Effects

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Table S1. Different Hammett's constants for a set of different substituents.*

X	σ_m	σ_p	σ_R	σ_I	σ_p^+	σ_p^-	σ_m^0	σ_p^0
–H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
–Br	0.39	0.23	-0.25	0.47	0.15	0.25	0.39	0.23
–Ph	0.06	-0.01	-0.11	0.12	0.18	0.53	0.06	0.04
–CCH	0.21	0.23	-0.04	0.29	0.18	0.53	0.21	0.23
$-CF_3$	0.43	0.54	0.11	0.40	0.61	0.65	0.43	0.54
–Me	-0.07	-0.17	-0.16	-0.01	-0.31	-0.17	-0.07	-0.12
$-CHF_2$	0.32	0.35	0.03	0.32			0.32	0.35
-CHO	0.35	0.42	0.15	0.27	0.73	1.03	0.35	0.54
–Cl	0.37	0.23	-0.25	0.47	0.11	0.19	0.37	0.23
–CN	0.56	0.66	0.08	0.57	0.66	1.00	0.56	0.66
-COMe	0.38	0.50	0.20	0.30		0.84	0.38	0.50
-COOMe	0.37	0.45	0.11	0.32	0.49	0.75	0.37	0.45
-COOH	0.37	0.45	0.11	0.30	0.42	0.77	0.37	0.45
$-\mathbf{F}$	0.34	0.06	-0.48	0.54	-0.07	-0.03	0.34	0.21
$-NMe_2$	-0.16	-0.83	-0.88	0.17	-1.70	-0.12	-0.16	-0.48
$-NH_2$	-0.16	-0.66	-0.80	0.17	-1.30	-0.15	-0.16	-0.38
-NHMe	-0.21	-0.70	-0.83	0.13	-1.81		-0.21	-0.33
$-NO_2$	0.71	0.78	0.10	0.67	0.79	1.27	0.71	0.81
-OMe	0.12	-0.27	-0.58	0.30	-0.78	-0.26	0.12	0.11
–OH	0.12	-0.37	-0.62	0.24	-0.92	-0.37	0.12	-0.13
-SO ₂ Me	0.64	0.73	0.11	0.59		1.13	0.64	0.75

^{*} Ref. [1]–[9].

Table S2. Coordinates of all DPP-X derivatives. Calculations at the B3LYP-D3/Def2-TZVP level.

DPP-H		C	-2.84069 -0.78252 1.03645
N	-2.78800 -0.14707 -0.14459	C	-2.59519 -2.11418 0.82503
C	-2.49910 -1.02751 -1.23663	Č	-2.37588 -2.31677 -0.57812
Č	-2.83959 -0.80695 1.06138	Č	-2.13148 -3.64127 -0.78224
Č	-2.59539 -2.12700 0.84674	Č	-2.47629 -3.39812 1.51096
Č	-2.37710 -2.31884 -0.56551	N	-2.18574 -4.29006 0.42713
Č	-2.13295 -3.63890 -0.78015	0	-2.39560 -0.69557 -2.42357
C	-2.47328 -3.41831 1.51788	O	-2.57449 -3.74351 2.66526
N	-2.18452 -4.29877 0.42582	C	-3.11130 -0.08443 2.22517
O	-2.40430 -0.66962 -2.38826	Н	-2.04479 -5.27555 0.57315
O	-2.56818 -3.77621 2.66950	Н	-2.92527 0.84721 -0.33030
Н	-3.04710 -0.27725 1.97809	C	-3.34346 0.51787 3.23966
Н	-1.92550 -4.16861 -1.69686	Н	-3.54739 1.03702 4.14463
H	-2.04224 -5.28547 0.56181	H	-1.92260 -4.17551 -1.69581
H	-2.93038 0.83962 -0.28059		
		DPP-CF	3
DPP-X ₁	derivatives	N	-2.76392 -0.55016 -0.99333
		C	-2.49541 -1.59908 -1.92977
DPP-Br		C	-2.77345 -1.00771 0.30536
N	-2.79178 -0.13869 -0.12515	C	-2.50293 -2.34009 0.31394
C	-2.50091 -1.02341 -1.21217	C	-2.31902 -2.75478 -1.05395
C	-2.84661 -0.79001 1.08457	C	-2.04229 -4.08672 -1.06052
C	-2.60216 -2.11211 0.87969	C	-2.31716 -3.51208 1.18169
C	-2.38243 -2.30906 -0.53408	N	-2.04087 -4.54737 0.23215
C	-2.14248 -3.63137 -0.72697	O	-2.45457 -1.44593 -3.12729
C	-2.48177 -3.39591 1.56310	O	-2.35896 -3.68371 2.37385
N	-2.19092 -4.29088 0.47794	C	-3.01218 -0.06100 1.44245
O	-2.40033 -0.67599 -2.36583	H	-1.84351 -4.74862 -1.88918
O	-2.57709 -3.74429 2.71543	H	-1.85621 -5.49371 0.52046
Br	-1.78740 -4.55733 -2.30659	H	-2.98868 0.38801 -1.28281
Н	-2.04713 -5.27882 0.60595	F	-1.91332 0.68005 1.69766
H	-2.93350 0.84722 -0.26801	F	-3.34550 -0.70671 2.55712
H H	-2.93350 0.84722 -0.26801 -3.05731 -0.25675 1.99814	F F	-3.34550 -0.70671 2.55712 -4.00336 0.80645 1.13631
Н		F	-4.00336 0.80645 1.13631
H DPP-Ph		F DPP-Me	-4.00336 0.80645 1.13631
H DPP-Ph N	-3.05731 -0.25675 1.99814	F	-4.00336 0.80645 1.13631
H DPP-Ph N C	-3.05731 -0.25675 1.99814 -2.89161 -0.08368 -0.15049	F DPP-Me N	-4.00336 0.80645 1.13631 -2.66828 -0.14623 -0.16548
H DPP-Ph N C C	-3.05731 -0.25675 1.99814 -2.89161 -0.08368 -0.15049 -2.59684 -0.88419 -1.28945	F DPP-Me N C	-4.00336 0.80645 1.13631 -2.66828 -0.14623 -0.16548 -2.37858 -1.05130 -1.23551
H DPP-Ph N C	-3.05731 -0.25675 1.99814 -2.89161 -0.08368 -0.15049 -2.59684 -0.88419 -1.28945 -2.97124 -0.80920 1.02724	F DPP-Me N C C	-4.00336 0.80645 1.13631 -2.66828 -0.14623 -0.16548 -2.37858 -1.05130 -1.23551 -2.80828 -0.79088 1.04439
H DPP-Ph N C C C	-3.05731 -0.25675 1.99814 -2.89161 -0.08368 -0.15049 -2.59684 -0.88419 -1.28945 -2.97124 -0.80920 1.02724 -2.72842 -2.12890 0.70447	F DPP-Me N C C C	-4.00336 0.80645 1.13631 -2.66828 -0.14623 -0.16548 -2.37858 -1.05130 -1.23551 -2.80828 -0.79088 1.04439 -2.62286 -2.12261 0.84791
H DPP-Ph N C C C C C	-3.05731 -0.25675 1.99814 -2.89161 -0.08368 -0.15049 -2.59684 -0.88419 -1.28945 -2.97124 -0.80920 1.02724 -2.72842 -2.12890 0.70447 -2.48947 -2.21940 -0.71063	F DPP-Me N C C C C C	-4.00336 0.80645 1.13631 -2.66828 -0.14623 -0.16548 -2.37858 -1.05130 -1.23551 -2.80828 -0.79088 1.04439 -2.62286 -2.12261 0.84791 -2.35239 -2.33568 -0.55101
H DPP-Ph N C C C C C C	-3.05731 -0.25675 1.99814 -2.89161 -0.08368 -0.15049 -2.59684 -0.88419 -1.28945 -2.97124 -0.80920 1.02724 -2.72842 -2.12890 0.70447 -2.48947 -2.21940 -0.71063 -2.23529 -3.51718 -1.02702	F DPP-Me N C C C C C	-4.00336 0.80645 1.13631 -2.66828 -0.14623 -0.16548 -2.37858 -1.05130 -1.23551 -2.80828 -0.79088 1.04439 -2.62286 -2.12261 0.84791 -2.35239 -2.33568 -0.55101 -2.16181 -3.66898 -0.76697
H DPP-Ph N C C C C C C C	-3.05731 -0.25675 1.99814 -2.89161 -0.08368 -0.15049 -2.59684 -0.88419 -1.28945 -2.97124 -0.80920 1.02724 -2.72842 -2.12890 0.70447 -2.48947 -2.21940 -0.71063 -2.23529 -3.51718 -1.02702 -2.61206 -3.46684 1.26982	F DPP-Me N C C C C C C C	-4.00336 0.80645 1.13631 -2.66828 -0.14623 -0.16548 -2.37858 -1.05130 -1.23551 -2.80828 -0.79088 1.04439 -2.62286 -2.12261 0.84791 -2.35239 -2.33568 -0.55101 -2.16181 -3.66898 -0.76697 -2.59350 -3.41744 1.52386
H DPP-Ph N C C C C C C C N	-3.05731 -0.25675 1.99814 -2.89161 -0.08368 -0.15049 -2.59684 -0.88419 -1.28945 -2.97124 -0.80920 1.02724 -2.72842 -2.12890 0.70447 -2.48947 -2.21940 -0.71063 -2.23529 -3.51718 -1.02702 -2.61206 -3.46684 1.26982 -2.30186 -4.26133 0.12879	F DPP-Me N C C C C C C C N	-4.00336 0.80645 1.13631 -2.66828 -0.14623 -0.16548 -2.37858 -1.05130 -1.23551 -2.80828 -0.79088 1.04439 -2.62286 -2.12261 0.84791 -2.35239 -2.33568 -0.55101 -2.16181 -3.66898 -0.76697 -2.59350 -3.41744 1.52386 -2.30342 -4.31349 0.44698
H DPP-Ph N C C C C C C C N O	-3.05731 -0.25675 1.99814 -2.89161 -0.08368 -0.15049 -2.59684 -0.88419 -1.28945 -2.97124 -0.80920 1.02724 -2.72842 -2.12890 0.70447 -2.48947 -2.21940 -0.71063 -2.23529 -3.51718 -1.02702 -2.61206 -3.46684 1.26982 -2.30186 -4.26133 0.12879 -2.48786 -0.45009 -2.41396	F DPP-Me N C C C C C C C N O	-4.00336 0.80645 1.13631 -2.66828 -0.14623 -0.16548 -2.37858 -1.05130 -1.23551 -2.80828 -0.79088 1.04439 -2.62286 -2.12261 0.84791 -2.35239 -2.33568 -0.55101 -2.16181 -3.66898 -0.76697 -2.59350 -3.41744 1.52386 -2.30342 -4.31349 0.44698 -2.21618 -0.71234 -2.38889
H DPP-Ph N C C C C C C C N O O	-3.05731 -0.25675 1.99814 -2.89161 -0.08368 -0.15049 -2.59684 -0.88419 -1.28945 -2.97124 -0.80920 1.02724 -2.72842 -2.12890 0.70447 -2.48947 -2.21940 -0.71063 -2.23529 -3.51718 -1.02702 -2.61206 -3.46684 1.26982 -2.30186 -4.26133 0.12879 -2.48786 -0.45009 -2.41396 -2.72719 -3.92315 2.39281	F DPP-Me N C C C C C C C N O O	-4.00336 0.80645 1.13631 -2.66828 -0.14623 -0.16548 -2.37858 -1.05130 -1.23551 -2.80828 -0.79088 1.04439 -2.62286 -2.12261 0.84791 -2.35239 -2.33568 -0.55101 -2.16181 -3.66898 -0.76697 -2.59350 -3.41744 1.52386 -2.30342 -4.31349 0.44698 -2.21618 -0.71234 -2.38889 -2.75298 -3.76669 2.67119
H DPP-Ph N C C C C C C C C C C C C C C C C C C	-3.05731 -0.25675 1.99814 -2.89161 -0.08368 -0.15049 -2.59684 -0.88419 -1.28945 -2.97124 -0.80920 1.02724 -2.72842 -2.12890 0.70447 -2.48947 -2.21940 -0.71063 -2.23529 -3.51718 -1.02702 -2.61206 -3.46684 1.26982 -2.30186 -4.26133 0.12879 -2.48786 -0.45009 -2.41396 -2.72719 -3.92315 2.39281 -3.25765 -0.18744 2.30579	F DPP-Me N C C C C C C C N O O C	-4.00336 0.80645 1.13631 -2.66828 -0.14623 -0.16548 -2.37858 -1.05130 -1.23551 -2.80828 -0.79088 1.04439 -2.62286 -2.12261 0.84791 -2.35239 -2.33568 -0.55101 -2.16181 -3.66898 -0.76697 -2.59350 -3.41744 1.52386 -2.30342 -4.31349 0.44698 -2.21618 -0.71234 -2.38889 -2.75298 -3.76669 2.67119 -1.85438 -4.40242 -2.01782
H DPP-Ph N C C C C C C C C C C C C C C C C C C	-3.05731 -0.25675 1.99814 -2.89161 -0.08368 -0.15049 -2.59684 -0.88419 -1.28945 -2.97124 -0.80920 1.02724 -2.72842 -2.12890 0.70447 -2.48947 -2.21940 -0.71063 -2.23529 -3.51718 -1.02702 -2.61206 -3.46684 1.26982 -2.30186 -4.26133 0.12879 -2.48786 -0.45009 -2.41396 -2.72719 -3.92315 2.39281 -3.25765 -0.18744 2.30579 -3.36531 -0.98603 3.45577	F DPP-Me N C C C C C C N O O C H	-4.00336 0.80645 1.13631 -2.66828 -0.14623 -0.16548 -2.37858 -1.05130 -1.23551 -2.80828 -0.79088 1.04439 -2.62286 -2.12261 0.84791 -2.35239 -2.33568 -0.55101 -2.16181 -3.66898 -0.76697 -2.59350 -3.41744 1.52386 -2.30342 -4.31349 0.44698 -2.21618 -0.71234 -2.38889 -2.75298 -3.76669 2.67119 -1.85438 -4.40242 -2.01782 -2.21403 -5.30546 0.59315
H DPP-Ph N C C C C C C C C C C C C C C C C C C	-3.05731 -0.25675 1.99814 -2.89161 -0.08368 -0.15049 -2.59684 -0.88419 -1.28945 -2.97124 -0.80920 1.02724 -2.72842 -2.12890 0.70447 -2.48947 -2.21940 -0.71063 -2.23529 -3.51718 -1.02702 -2.61206 -3.46684 1.26982 -2.30186 -4.26133 0.12879 -2.48786 -0.45009 -2.41396 -2.72719 -3.92315 2.39281 -3.25765 -0.18744 2.30579 -3.36531 -0.98603 3.45577 -3.63961 -0.40575 4.68344	F DPP-Me N C C C C C C N O O C H H	-4.00336 0.80645 1.13631 -2.66828 -0.14623 -0.16548 -2.37858 -1.05130 -1.23551 -2.80828 -0.79088 1.04439 -2.62286 -2.12261 0.84791 -2.35239 -2.33568 -0.55101 -2.16181 -3.66898 -0.76697 -2.59350 -3.41744 1.52386 -2.30342 -4.31349 0.44698 -2.21618 -0.71234 -2.38889 -2.75298 -3.76669 2.67119 -1.85438 -4.40242 -2.01782 -2.21403 -5.30546 0.59315 -2.75537 0.84459 -0.31660
H DPP-Ph N C C C C C C C C C C C C C C C C C C	-3.05731 -0.25675 1.99814 -2.89161 -0.08368 -0.15049 -2.59684 -0.88419 -1.28945 -2.97124 -0.80920 1.02724 -2.72842 -2.12890 0.70447 -2.48947 -2.21940 -0.71063 -2.23529 -3.51718 -1.02702 -2.61206 -3.46684 1.26982 -2.30186 -4.26133 0.12879 -2.48786 -0.45009 -2.41396 -2.72719 -3.92315 2.39281 -3.25765 -0.18744 2.30579 -3.36531 -0.98603 3.45577 -3.63961 -0.40575 4.68344 -3.80956 0.97102 4.79171	F DPP-Me N C C C C C C N O O C H H H	-4.00336 0.80645 1.13631 -2.66828 -0.14623 -0.16548 -2.37858 -1.05130 -1.23551 -2.80828 -0.79088 1.04439 -2.62286 -2.12261 0.84791 -2.35239 -2.33568 -0.55101 -2.16181 -3.66898 -0.76697 -2.59350 -3.41744 1.52386 -2.30342 -4.31349 0.44698 -2.21618 -0.71234 -2.38889 -2.75298 -3.76669 2.67119 -1.85438 -4.40242 -2.01782 -2.21403 -5.30546 0.59315 -2.75537 0.84459 -0.31660 -1.77929 -3.70367 -2.84806
H DPP-Ph N C C C C C C C C C C C C C C C C C C	-3.05731 -0.25675 1.99814 -2.89161 -0.08368 -0.15049 -2.59684 -0.88419 -1.28945 -2.97124 -0.80920 1.02724 -2.72842 -2.12890 0.70447 -2.48947 -2.21940 -0.71063 -2.23529 -3.51718 -1.02702 -2.61206 -3.46684 1.26982 -2.30186 -4.26133 0.12879 -2.48786 -0.45009 -2.41396 -2.72719 -3.92315 2.39281 -3.25765 -0.18744 2.30579 -3.36531 -0.98603 3.45577 -3.63961 -0.40575 4.68344 -3.80956 0.97102 4.79171 -3.70205 1.77168 3.65925	F DPP-Me N C C C C C C N O O C H H H H	-4.00336 0.80645 1.13631 -2.66828 -0.14623 -0.16548 -2.37858 -1.05130 -1.23551 -2.80828 -0.79088 1.04439 -2.62286 -2.12261 0.84791 -2.35239 -2.33568 -0.55101 -2.16181 -3.66898 -0.76697 -2.59350 -3.41744 1.52386 -2.30342 -4.31349 0.44698 -2.21618 -0.71234 -2.38889 -2.75298 -3.76669 2.67119 -1.85438 -4.40242 -2.01782 -2.21403 -5.30546 0.59315 -2.75537 0.84459 -0.31660 -1.77929 -3.70367 -2.84806 -2.63571 -5.13463 -2.24039
H DPP-Ph N C C C C C C C N O C C C C C C C C C C	-3.05731 -0.25675 1.99814 -2.89161 -0.08368 -0.15049 -2.59684 -0.88419 -1.28945 -2.97124 -0.80920 1.02724 -2.72842 -2.12890 0.70447 -2.48947 -2.21940 -0.71063 -2.23529 -3.51718 -1.02702 -2.61206 -3.46684 1.26982 -2.30186 -4.26133 0.12879 -2.48786 -0.45009 -2.41396 -2.72719 -3.92315 2.39281 -3.25765 -0.18744 2.30579 -3.36531 -0.98603 3.45577 -3.63961 -0.40575 4.68344 -3.80956 0.97102 4.79171 -3.70205 1.77168 3.65925 -3.42932 1.19957 2.42733	F DPP-Me N C C C C C C C H H H H H H	-4.00336 0.80645 1.13631 -2.66828 -0.14623 -0.16548 -2.37858 -1.05130 -1.23551 -2.80828 -0.79088 1.04439 -2.62286 -2.12261 0.84791 -2.35239 -2.33568 -0.55101 -2.16181 -3.66898 -0.76697 -2.59350 -3.41744 1.52386 -2.30342 -4.31349 0.44698 -2.21618 -0.71234 -2.38889 -2.75298 -3.76669 2.67119 -1.85438 -4.40242 -2.01782 -2.21403 -5.30546 0.59315 -2.75537 0.84459 -0.31660 -1.77929 -3.70367 -2.84806 -2.63571 -5.13463 -2.24039 -0.91058 -4.94719 -1.92580 -3.02872 -0.24241 1.94663
H DPP-Ph N C C C C C C C N O C C C C C C C C C C	-3.05731 -0.25675 1.99814 -2.89161 -0.08368 -0.15049 -2.59684 -0.88419 -1.28945 -2.97124 -0.80920 1.02724 -2.72842 -2.12890 0.70447 -2.48947 -2.21940 -0.71063 -2.23529 -3.51718 -1.02702 -2.61206 -3.46684 1.26982 -2.30186 -4.26133 0.12879 -2.48786 -0.45009 -2.41396 -2.72719 -3.92315 2.39281 -3.25765 -0.18744 2.30579 -3.36531 -0.98603 3.45577 -3.63961 -0.40575 4.68344 -3.80956 0.97102 4.79171 -3.70205 1.77168 3.65925 -3.42932 1.19957 2.42733 -3.34538 1.84624 1.56396 -3.23067 -2.05721 3.37708 -3.72048 -1.03288 5.56173	F DPP-Me N C C C C C C N O O C H H H H H H H DPP-CH	-4.00336 0.80645 1.13631 -2.66828 -0.14623 -0.16548 -2.37858 -1.05130 -1.23551 -2.80828 -0.79088 1.04439 -2.62286 -2.12261 0.84791 -2.35239 -2.33568 -0.55101 -2.16181 -3.66898 -0.76697 -2.59350 -3.41744 1.52386 -2.30342 -4.31349 0.44698 -2.21618 -0.71234 -2.38889 -2.75298 -3.76669 2.67119 -1.85438 -4.40242 -2.01782 -2.21403 -5.30546 0.59315 -2.75537 0.84459 -0.31660 -1.77929 -3.70367 -2.84806 -2.63571 -5.13463 -2.24039 -0.91058 -4.94719 -1.92580 -3.02872 -0.24241 1.94663
H DPP-Ph N C C C C C C C C C C C C C C C C C C	-3.05731 -0.25675 1.99814 -2.89161 -0.08368 -0.15049 -2.59684 -0.88419 -1.28945 -2.97124 -0.80920 1.02724 -2.72842 -2.12890 0.70447 -2.48947 -2.21940 -0.71063 -2.23529 -3.51718 -1.02702 -2.61206 -3.46684 1.26982 -2.30186 -4.26133 0.12879 -2.48786 -0.45009 -2.41396 -2.72719 -3.92315 2.39281 -3.25765 -0.18744 2.30579 -3.36531 -0.98603 3.45577 -3.63961 -0.40575 4.68344 -3.80956 0.97102 4.79171 -3.70205 1.77168 3.65925 -3.42932 1.19957 2.42733 -3.34538 1.84624 1.56396 -3.23067 -2.05721 3.37708 -3.72048 -1.03288 5.56173 -4.02353 1.41925 5.75344	F DPP-Me N C C C C C C N O O C H H H H H H H H H H H H H H H H H	-4.00336 0.80645 1.13631 -2.66828 -0.14623 -0.16548 -2.37858 -1.05130 -1.23551 -2.80828 -0.79088 1.04439 -2.62286 -2.12261 0.84791 -2.35239 -2.33568 -0.55101 -2.16181 -3.66898 -0.76697 -2.59350 -3.41744 1.52386 -2.30342 -4.31349 0.44698 -2.21618 -0.71234 -2.38889 -2.75298 -3.76669 2.67119 -1.85438 -4.40242 -2.01782 -2.21403 -5.30546 0.59315 -2.75537 0.84459 -0.31660 -1.77929 -3.70367 -2.84806 -2.63571 -5.13463 -2.24039 -0.91058 -4.94719 -1.92580 -3.02872 -0.24241 1.94663
H DPP-Ph N C C C C C C C N O C C C C C C C C C C	-3.05731 -0.25675 1.99814 -2.89161 -0.08368 -0.15049 -2.59684 -0.88419 -1.28945 -2.97124 -0.80920 1.02724 -2.72842 -2.12890 0.70447 -2.48947 -2.21940 -0.71063 -2.23529 -3.51718 -1.02702 -2.61206 -3.46684 1.26982 -2.30186 -4.26133 0.12879 -2.48786 -0.45009 -2.41396 -2.72719 -3.92315 2.39281 -3.25765 -0.18744 2.30579 -3.36531 -0.98603 3.45577 -3.63961 -0.40575 4.68344 -3.80956 0.97102 4.79171 -3.70205 1.77168 3.65925 -3.42932 1.19957 2.42733 -3.34538 1.84624 1.56396 -3.23067 -2.05721 3.37708 -3.72048 -1.03288 5.56173 -4.02353 1.41925 5.75344 -3.83040 2.84340 3.73672	F DPP-Me N C C C C C C C N O O C H H H H H H N C	-4.00336 0.80645 1.13631 -2.66828 -0.14623 -0.16548 -2.37858 -1.05130 -1.23551 -2.80828 -0.79088 1.04439 -2.62286 -2.12261 0.84791 -2.35239 -2.33568 -0.55101 -2.16181 -3.66898 -0.76697 -2.59350 -3.41744 1.52386 -2.30342 -4.31349 0.44698 -2.21618 -0.71234 -2.38889 -2.75298 -3.76669 2.67119 -1.85438 -4.40242 -2.01782 -2.21403 -5.30546 0.59315 -2.75537 0.84459 -0.31660 -1.77929 -3.70367 -2.84806 -2.63571 -5.13463 -2.24039 -0.91058 -4.94719 -1.92580 -3.02872 -0.24241 1.94663
H DPP-Ph N C C C C C C C C C C C C C C C C C C	-3.05731 -0.25675 1.99814 -2.89161 -0.08368 -0.15049 -2.59684 -0.88419 -1.28945 -2.97124 -0.80920 1.02724 -2.72842 -2.12890 0.70447 -2.48947 -2.21940 -0.71063 -2.23529 -3.51718 -1.02702 -2.61206 -3.46684 1.26982 -2.30186 -4.26133 0.12879 -2.48786 -0.45009 -2.41396 -2.72719 -3.92315 2.39281 -3.25765 -0.18744 2.30579 -3.36531 -0.98603 3.45577 -3.63961 -0.40575 4.68344 -3.80956 0.97102 4.79171 -3.70205 1.77168 3.65925 -3.42932 1.19957 2.42733 -3.34538 1.84624 1.56396 -3.23067 -2.05721 3.37708 -3.72048 -1.03288 5.56173 -4.02353 1.41925 5.75344 -3.83040 2.84340 3.73672 -2.16997 -5.25621 0.19792	F DPP-Me N C C C C C C C N O O C H H H H H H H C DPP-CH N C C	-4.00336 0.80645 1.13631 -2.66828 -0.14623 -0.16548 -2.37858 -1.05130 -1.23551 -2.80828 -0.79088 1.04439 -2.62286 -2.12261 0.84791 -2.35239 -2.33568 -0.55101 -2.16181 -3.66898 -0.76697 -2.59350 -3.41744 1.52386 -2.30342 -4.31349 0.44698 -2.21618 -0.71234 -2.38889 -2.75298 -3.76669 2.67119 -1.85438 -4.40242 -2.01782 -2.21403 -5.30546 0.59315 -2.75537 0.84459 -0.31660 -1.77929 -3.70367 -2.84806 -2.63571 -5.13463 -2.24039 -0.91058 -4.94719 -1.92580 -3.02872 -0.24241 1.94663
H DPP-Ph N C C C C C C C C C C C C C C C C C C	-3.05731 -0.25675 1.99814 -2.89161 -0.08368 -0.15049 -2.59684 -0.88419 -1.28945 -2.97124 -0.80920 1.02724 -2.72842 -2.12890 0.70447 -2.48947 -2.21940 -0.71063 -2.23529 -3.51718 -1.02702 -2.61206 -3.46684 1.26982 -2.30186 -4.26133 0.12879 -2.48786 -0.45009 -2.41396 -2.72719 -3.92315 2.39281 -3.25765 -0.18744 2.30579 -3.36531 -0.98603 3.45577 -3.63961 -0.40575 4.68344 -3.80956 0.97102 4.79171 -3.70205 1.77168 3.65925 -3.42932 1.19957 2.42733 -3.34538 1.84624 1.56396 -3.23067 -2.05721 3.37708 -3.72048 -1.03288 5.56173 -4.02353 1.41925 5.75344 -3.83040 2.84340 3.73672 -2.16997 -5.25621 0.19792 -3.04108 0.90609 -0.23872	F DPP-Me N C C C C C C N O O C H H H H H H C DPP-CH N C C C C C	-4.00336 0.80645 1.13631 -2.66828 -0.14623 -0.16548 -2.37858 -1.05130 -1.23551 -2.80828 -0.79088 1.04439 -2.62286 -2.12261 0.84791 -2.35239 -2.33568 -0.55101 -2.16181 -3.66898 -0.76697 -2.59350 -3.41744 1.52386 -2.30342 -4.31349 0.44698 -2.21618 -0.71234 -2.38889 -2.75298 -3.76669 2.67119 -1.85438 -4.40242 -2.01782 -2.21403 -5.30546 0.59315 -2.75537 0.84459 -0.31660 -1.77929 -3.70367 -2.84806 -2.63571 -5.13463 -2.24039 -0.91058 -4.94719 -1.92580 -3.02872 -0.24241 1.94663 IF2 -2.46029 -0.57222 -1.20614 -2.10015 -1.72152 -1.97426 -2.65906 -0.87327 0.12277 -2.44796 -2.20389 0.30852
H DPP-Ph N C C C C C C C C C C C C C C C C C C	-3.05731 -0.25675 1.99814 -2.89161 -0.08368 -0.15049 -2.59684 -0.88419 -1.28945 -2.97124 -0.80920 1.02724 -2.72842 -2.12890 0.70447 -2.48947 -2.21940 -0.71063 -2.23529 -3.51718 -1.02702 -2.61206 -3.46684 1.26982 -2.30186 -4.26133 0.12879 -2.48786 -0.45009 -2.41396 -2.72719 -3.92315 2.39281 -3.25765 -0.18744 2.30579 -3.36531 -0.98603 3.45577 -3.63961 -0.40575 4.68344 -3.80956 0.97102 4.79171 -3.70205 1.77168 3.65925 -3.42932 1.19957 2.42733 -3.34538 1.84624 1.56396 -3.23067 -2.05721 3.37708 -3.72048 -1.03288 5.56173 -4.02353 1.41925 5.75344 -3.83040 2.84340 3.73672 -2.16997 -5.25621 0.19792	F DPP-Me N C C C C C C C N O O C H H H H H H C C C C C C C C C C C	-4.00336 0.80645 1.13631 -2.66828 -0.14623 -0.16548 -2.37858 -1.05130 -1.23551 -2.80828 -0.79088 1.04439 -2.62286 -2.12261 0.84791 -2.35239 -2.33568 -0.55101 -2.16181 -3.66898 -0.76697 -2.59350 -3.41744 1.52386 -2.30342 -4.31349 0.44698 -2.21618 -0.71234 -2.38889 -2.75298 -3.76669 2.67119 -1.85438 -4.40242 -2.01782 -2.21403 -5.30546 0.59315 -2.75537 0.84459 -0.31660 -1.77929 -3.70367 -2.84806 -2.63571 -5.13463 -2.24039 -0.91058 -4.94719 -1.92580 -3.02872 -0.24241 1.94663 IF2 -2.46029 -0.57222 -1.20614 -2.10015 -1.72152 -1.97426 -2.65906 -0.87327 0.12277 -2.44796 -2.20389 0.30852 -2.09811 -2.77767 -0.96292
H DPP-Ph N C C C C C C C C C C C C	-3.05731 -0.25675 1.99814 -2.89161 -0.08368 -0.15049 -2.59684 -0.88419 -1.28945 -2.97124 -0.80920 1.02724 -2.72842 -2.12890 0.70447 -2.48947 -2.21940 -0.71063 -2.23529 -3.51718 -1.02702 -2.61206 -3.46684 1.26982 -2.30186 -4.26133 0.12879 -2.48786 -0.45009 -2.41396 -2.72719 -3.92315 2.39281 -3.25765 -0.18744 2.30579 -3.36531 -0.98603 3.45577 -3.63961 -0.40575 4.68344 -3.80956 0.97102 4.79171 -3.70205 1.77168 3.65925 -3.42932 1.19957 2.42733 -3.34538 1.84624 1.56396 -3.23067 -2.05721 3.37708 -3.72048 -1.03288 5.56173 -4.02353 1.41925 5.75344 -3.83040 2.84340 3.73672 -2.16997 -5.25621 0.19792 -3.04108 0.90609 -0.23872 -2.01014 -3.97378 -1.97746	F DPP-Me N C C C C C C C N O O C H H H H H H C C C C C C C C C C C	-4.00336 0.80645 1.13631 -2.66828 -0.14623 -0.16548 -2.37858 -1.05130 -1.23551 -2.80828 -0.79088 1.04439 -2.62286 -2.12261 0.84791 -2.35239 -2.33568 -0.55101 -2.16181 -3.66898 -0.76697 -2.59350 -3.41744 1.52386 -2.30342 -4.31349 0.44698 -2.21618 -0.71234 -2.38889 -2.75298 -3.76669 2.67119 -1.85438 -4.40242 -2.01782 -2.21403 -5.30546 0.59315 -2.75537 0.84459 -0.31660 -1.77929 -3.70367 -2.84806 -2.63571 -5.13463 -2.24039 -0.91058 -4.94719 -1.92580 -3.02872 -0.24241 1.94663 IF2 -2.46029 -0.57222 -1.20614 -2.10015 -1.72152 -1.97426 -2.65906 -0.87327 0.12277 -2.44796 -2.20389 0.30852 -2.09811 -2.77767 -0.96292 -1.88493 -4.10822 -0.78500
H DPP-Ph N C C C C C C C C C C C C C C C C C C	-3.05731 -0.25675 1.99814 -2.89161 -0.08368 -0.15049 -2.59684 -0.88419 -1.28945 -2.97124 -0.80920 1.02724 -2.72842 -2.12890 0.70447 -2.48947 -2.21940 -0.71063 -2.23529 -3.51718 -1.02702 -2.61206 -3.46684 1.26982 -2.30186 -4.26133 0.12879 -2.48786 -0.45009 -2.41396 -2.72719 -3.92315 2.39281 -3.25765 -0.18744 2.30579 -3.36531 -0.98603 3.45577 -3.63961 -0.40575 4.68344 -3.80956 0.97102 4.79171 -3.70205 1.77168 3.65925 -3.42932 1.19957 2.42733 -3.34538 1.84624 1.56396 -3.23067 -2.05721 3.37708 -3.72048 -1.03288 5.56173 -4.02353 1.41925 5.75344 -3.83040 2.84340 3.73672 -2.16997 -5.25621 0.19792 -3.04108 0.90609 -0.23872 -2.01014 -3.97378 -1.97746	F DPP-Me N C C C C C C C N O O C H H H H H H C C C C C C C C C C C	-4.00336 0.80645 1.13631 -2.66828 -0.14623 -0.16548 -2.37858 -1.05130 -1.23551 -2.80828 -0.79088 1.04439 -2.62286 -2.12261 0.84791 -2.35239 -2.33568 -0.55101 -2.16181 -3.66898 -0.76697 -2.59350 -3.41744 1.52386 -2.30342 -4.31349 0.44698 -2.21618 -0.71234 -2.38889 -2.75298 -3.76669 2.67119 -1.85438 -4.40242 -2.01782 -2.21403 -5.30546 0.59315 -2.75537 0.84459 -0.31660 -1.77929 -3.70367 -2.84806 -2.63571 -5.13463 -2.24039 -0.91058 -4.94719 -1.92580 -3.02872 -0.24241 1.94663 IF2 -2.46029 -0.57222 -1.20614 -2.10015 -1.72152 -1.97426 -2.65906 -0.87327 0.12277 -2.44796 -2.20389 0.30852 -2.09811 -2.77767 -0.96292 -1.88493 -4.10822 -0.78500 -2.44414 -3.26755 1.31516
H DPP-Ph N C C C C C C C C C C C C	-3.05731 -0.25675 1.99814 -2.89161 -0.08368 -0.15049 -2.59684 -0.88419 -1.28945 -2.97124 -0.80920 1.02724 -2.72842 -2.12890 0.70447 -2.48947 -2.21940 -0.71063 -2.23529 -3.51718 -1.02702 -2.61206 -3.46684 1.26982 -2.30186 -4.26133 0.12879 -2.48786 -0.45009 -2.41396 -2.72719 -3.92315 2.39281 -3.25765 -0.18744 2.30579 -3.36531 -0.98603 3.45577 -3.63961 -0.40575 4.68344 -3.80956 0.97102 4.79171 -3.70205 1.77168 3.65925 -3.42932 1.19957 2.42733 -3.34538 1.84624 1.56396 -3.23067 -2.05721 3.37708 -3.72048 -1.03288 5.56173 -4.02353 1.41925 5.75344 -3.83040 2.84340 3.73672 -2.16997 -5.25621 0.19792 -3.04108 0.90609 -0.23872 -2.01014 -3.97378 -1.97746	F DPP-Me N C C C C C C C N O O C H H H H H H C C C C C C C C C C C	-4.00336 0.80645 1.13631 -2.66828 -0.14623 -0.16548 -2.37858 -1.05130 -1.23551 -2.80828 -0.79088 1.04439 -2.62286 -2.12261 0.84791 -2.35239 -2.33568 -0.55101 -2.16181 -3.66898 -0.76697 -2.59350 -3.41744 1.52386 -2.30342 -4.31349 0.44698 -2.21618 -0.71234 -2.38889 -2.75298 -3.76669 2.67119 -1.85438 -4.40242 -2.01782 -2.21403 -5.30546 0.59315 -2.75537 0.84459 -0.31660 -1.77929 -3.70367 -2.84806 -2.63571 -5.13463 -2.24039 -0.91058 -4.94719 -1.92580 -3.02872 -0.24241 1.94663 IF2 -2.46029 -0.57222 -1.20614 -2.10015 -1.72152 -1.97426 -2.65906 -0.87327 0.12277 -2.44796 -2.20389 0.30852 -2.09811 -2.77767 -0.96292 -1.88493 -4.10822 -0.78500

0	-2.66887 -3.29102 2.50151	C	-2.61188 -3.45335 1.19676
Č	-1.49922 -5.13030 -1.79770	N	-2.35778 -4.52215 0.28567
Н	-1.99124 -5.33484 0.94524	O	-2.00975 -1.41495 -3.07639
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H	-2.93635 -0.10776 0.83048	O	-2.99324 1.26271 1.06005
		Č	-3.14765 -0.41803 2.76426
a-	••		
DPP-CI		Н	-2.26412 -0.96086 3.10686
N	-2.53609 -0.51798 -1.01283	Н	-3.96671 -1.13924 2.79532
C	-2.25387 -1.56770 -1.93004	Н	-3.35488 0.42116 3.42352
C	-2.70087 -0.97233 0.27696	Н	-1.96008 -4.76269 -1.80514
C	-2.53981 -2.33224 0.27983		
C	-2.26227 -2.75166 -1.05952	DPP-CO	OOMe
C	-2.10277 -4.10560 -1.05557	N	-2.55122 -0.50913 -0.91469
C	-2.54723 -3.51361 1.14953	C	-2.27194 -1.53072 -1.86358
N	-2.26555 -4.56941 0.22695	C	-2.70761 -1.00267 0.36105
O	-2.07050 -1.42028 -3.11486	C	-2.54226 -2.35942 0.33185
		Č	
O	-2.72949 -3.67219 2.33259		-2.26989 -2.73458 -1.02810
C	-2.99653 -0.06313 1.38482	C	-2.10384 -4.08519 -1.07525
H	-1.88412 -4.78200 -1.86742	C	-2.53782 -3.57496 1.15698
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Н	-2.60698 0.45312 -1.27396	O	-2.09638 -1.34528 -3.04573
O	-3.11325 1.13250 1.22588	O	-2.70828 -3.79611 2.33056
H	-3.10506 -0.54627 2.36946	C	-3.00584 -0.05831 1.45447
	3.10300 0.54027 2.50740		-1.88752 -4.72830 -1.91427
		H	
DPP-Cl		Н	-2.18531 -5.56441 0.44706
N	-2.46870 -0.50263 -1.00451	Н	-2.63002 0.46976 -1.14210
C	-2.21311 -1.58545 -1.90555	O	-3.12076 1.13263 1.27393
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C	-2.55331 -2.28186 0.32361	C	-3.42706 0.14793 3.75821
C	-2.27326 -2.74023 -1.01672	Н	-4.37028 0.67074 3.60370
Č		Н	-2.63263 0.87747 3.91200
	-2.16619 -4.09414 -0.96599	П	-2.03203 0.87747 3.91200
C	-2.61557 -3.43238 1.21881	Н	-3.49537 -0.53349 4.60032
		Н	
N	-2.36027 -4.52614 0.32516		-3.49537 -0.53349 4.60032
N O	-2.36027 -4.52614 0.32516 -2.01172 -1.45127 -3.09005	DPP-CO	-3.49537 -0.53349 4.60032 OOH
N O O	-2.36027 -4.52614 0.32516 -2.01172 -1.45127 -3.09005 -2.81830 -3.56382 2.40200	DPP-CO	-3.49537 -0.53349 4.60032 DOH -2.51826 -0.54248 -1.07274
N O	-2.36027 -4.52614 0.32516 -2.01172 -1.45127 -3.09005	DPP-CO	-3.49537 -0.53349 4.60032 DOH
N O O Cl	-2.36027 -4.52614 0.32516 -2.01172 -1.45127 -3.09005 -2.81830 -3.56382 2.40200 -1.84891 -5.21278 -2.20730	DPP-CO N C	-3.49537 -0.53349 4.60032 DOH -2.51826 -0.54248 -1.07274 -2.28592 -1.65044 -1.95480
N O O Cl H	-2.36027 -4.52614 0.32516 -2.01172 -1.45127 -3.09005 -2.81830 -3.56382 2.40200 -1.84891 -5.21278 -2.20730 -2.33433 -5.48701 0.62400	DPP-CO N C C	-3.49537 -0.53349 4.60032 DOH -2.51826 -0.54248 -1.07274 -2.28592 -1.65044 -1.95480 -2.64912 -0.93636 0.23148
N O O Cl H H	-2.36027 -4.52614 0.32516 -2.01172 -1.45127 -3.09005 -2.81830 -3.56382 2.40200 -1.84891 -5.21278 -2.20730 -2.33433 -5.48701 0.62400 -2.49279 0.45281 -1.31931	DPP-CO N C C C	-3.49537 -0.53349 4.60032 DOH -2.51826 -0.54248 -1.07274 -2.28592 -1.65044 -1.95480 -2.64912 -0.93636 0.23148 -2.51547 -2.28985 0.28627
N O O Cl H	-2.36027 -4.52614 0.32516 -2.01172 -1.45127 -3.09005 -2.81830 -3.56382 2.40200 -1.84891 -5.21278 -2.20730 -2.33433 -5.48701 0.62400	DPP-CO N C C C	-3.49537 -0.53349 4.60032 DOH -2.51826 -0.54248 -1.07274 -2.28592 -1.65044 -1.95480 -2.64912 -0.93636 0.23148
N O O Cl H H	-2.36027 -4.52614 0.32516 -2.01172 -1.45127 -3.09005 -2.81830 -3.56382 2.40200 -1.84891 -5.21278 -2.20730 -2.33433 -5.48701 0.62400 -2.49279 0.45281 -1.31931	DPP-CO N C C C	-3.49537 -0.53349 4.60032 DOH -2.51826 -0.54248 -1.07274 -2.28592 -1.65044 -1.95480 -2.64912 -0.93636 0.23148 -2.51547 -2.28985 0.28627 -2.28909 -2.79808 -1.02968
N O O Cl H H	-2.36027 -4.52614 0.32516 -2.01172 -1.45127 -3.09005 -2.81830 -3.56382 2.40200 -1.84891 -5.21278 -2.20730 -2.33433 -5.48701 0.62400 -2.49279 0.45281 -1.31931 -2.86713 -0.22650 1.08304	DPP-CC N C C C C	-3.49537 -0.53349 4.60032 DOH -2.51826 -0.54248 -1.07274 -2.28592 -1.65044 -1.95480 -2.64912 -0.93636 0.23148 -2.51547 -2.28985 0.28627 -2.28909 -2.79808 -1.02968 -2.16178 -4.14981 -0.92345
N O O Cl H H H	-2.36027 -4.52614 0.32516 -2.01172 -1.45127 -3.09005 -2.81830 -3.56382 2.40200 -1.84891 -5.21278 -2.20730 -2.33433 -5.48701 0.62400 -2.49279 0.45281 -1.31931 -2.86713 -0.22650 1.08304	DPP-CC N C C C C C	-3.49537 -0.53349 4.60032 DOH -2.51826 -0.54248 -1.07274 -2.28592 -1.65044 -1.95480 -2.64912 -0.93636 0.23148 -2.51547 -2.28985 0.28627 -2.28909 -2.79808 -1.02968 -2.16178 -4.14981 -0.92345 -2.52583 -3.38000 1.23214
N O O Cl H H H DPP-CN N	-2.36027 -4.52614 0.32516 -2.01172 -1.45127 -3.09005 -2.81830 -3.56382 2.40200 -1.84891 -5.21278 -2.20730 -2.33433 -5.48701 0.62400 -2.49279 0.45281 -1.31931 -2.86713 -0.22650 1.08304	DPP-CC N C C C C C C C	-3.49537 -0.53349 4.60032 DOH -2.51826 -0.54248 -1.07274 -2.28592 -1.65044 -1.95480 -2.64912 -0.93636 0.23148 -2.51547 -2.28985 0.28627 -2.28909 -2.79808 -1.02968 -2.16178 -4.14981 -0.92345 -2.52583 -3.38000 1.23214 -2.29992 -4.50741 0.40933
N O O Cl H H H	-2.36027 -4.52614 0.32516 -2.01172 -1.45127 -3.09005 -2.81830 -3.56382 2.40200 -1.84891 -5.21278 -2.20730 -2.33433 -5.48701 0.62400 -2.49279 0.45281 -1.31931 -2.86713 -0.22650 1.08304	DPP-CC N C C C C C	-3.49537 -0.53349 4.60032 DOH -2.51826 -0.54248 -1.07274 -2.28592 -1.65044 -1.95480 -2.64912 -0.93636 0.23148 -2.51547 -2.28985 0.28627 -2.28909 -2.79808 -1.02968 -2.16178 -4.14981 -0.92345 -2.52583 -3.38000 1.23214
N O O Cl H H H DPP-CN N C	-2.36027 -4.52614 0.32516 -2.01172 -1.45127 -3.09005 -2.81830 -3.56382 2.40200 -1.84891 -5.21278 -2.20730 -2.33433 -5.48701 0.62400 -2.49279 0.45281 -1.31931 -2.86713 -0.22650 1.08304	DPP-CC N C C C C C C C C	-3.49537 -0.53349 4.60032 DOH -2.51826 -0.54248 -1.07274 -2.28592 -1.65044 -1.95480 -2.64912 -0.93636 0.23148 -2.51547 -2.28985 0.28627 -2.28909 -2.79808 -1.02968 -2.16178 -4.14981 -0.92345 -2.52583 -3.38000 1.23214 -2.29992 -4.50741 0.40933 -2.13767 -1.55228 -3.14627
N O O Cl H H H DPP-CN N C	-2.36027 -4.52614 0.32516 -2.01172 -1.45127 -3.09005 -2.81830 -3.56382 2.40200 -1.84891 -5.21278 -2.20730 -2.33433 -5.48701 0.62400 -2.49279 0.45281 -1.31931 -2.86713 -0.22650 1.08304 N -2.79251 -0.12837 -0.13594 -2.50447 -1.00173 -1.22871 -2.84153 -0.80277 1.07363	DPP-CON	-3.49537 -0.53349 4.60032 DOH -2.51826 -0.54248 -1.07274 -2.28592 -1.65044 -1.95480 -2.64912 -0.93636 0.23148 -2.51547 -2.28985 0.28627 -2.28909 -2.79808 -1.02968 -2.16178 -4.14981 -0.92345 -2.52583 -3.38000 1.23214 -2.29992 -4.50741 0.40933 -2.13767 -1.55228 -3.14627 -2.68446 -3.38218 2.44346
N O O Cl H H H C DPP-CN N C C	-2.36027 -4.52614 0.32516 -2.01172 -1.45127 -3.09005 -2.81830 -3.56382 2.40200 -1.84891 -5.21278 -2.20730 -2.33433 -5.48701 0.62400 -2.49279 0.45281 -1.31931 -2.86713 -0.22650 1.08304 N -2.79251 -0.12837 -0.13594 -2.50447 -1.00173 -1.22871 -2.84153 -0.80277 1.07363 -2.59470 -2.12608 0.84272	DPP-CC N C C C C C C C C C	-3.49537 -0.53349 4.60032 DOH -2.51826 -0.54248 -1.07274 -2.28592 -1.65044 -1.95480 -2.64912 -0.93636 0.23148 -2.51547 -2.28985 0.28627 -2.28909 -2.79808 -1.02968 -2.16178 -4.14981 -0.92345 -2.52583 -3.38000 1.23214 -2.29992 -4.50741 0.40933 -2.13767 -1.55228 -3.14627 -2.68446 -3.38218 2.44346 -2.89469 0.02585 1.33635
N O O Cl H H H C DPP-CN N C C C	-2.36027 -4.52614 0.32516 -2.01172 -1.45127 -3.09005 -2.81830 -3.56382 2.40200 -1.84891 -5.21278 -2.20730 -2.33433 -5.48701 0.62400 -2.49279 0.45281 -1.31931 -2.86713 -0.22650 1.08304 N -2.79251 -0.12837 -0.13594 -2.50447 -1.00173 -1.22871 -2.84153 -0.80277 1.07363 -2.59470 -2.12608 0.84272 -2.38056 -2.29831 -0.56400	DPP-CC N C C C C C C C N O O C	-3.49537 -0.53349 4.60032 DOH -2.51826 -0.54248 -1.07274 -2.28592 -1.65044 -1.95480 -2.64912 -0.93636 0.23148 -2.51547 -2.28985 0.28627 -2.28909 -2.79808 -1.02968 -2.16178 -4.14981 -0.92345 -2.52583 -3.38000 1.23214 -2.29992 -4.50741 0.40933 -2.13767 -1.55228 -3.14627 -2.68446 -3.38218 2.44346 -2.89469 0.02585 1.33635 -2.24966 -5.44573 0.77031
N O O Cl H H H C DPP-CN N C C	-2.36027 -4.52614 0.32516 -2.01172 -1.45127 -3.09005 -2.81830 -3.56382 2.40200 -1.84891 -5.21278 -2.20730 -2.33433 -5.48701 0.62400 -2.49279 0.45281 -1.31931 -2.86713 -0.22650 1.08304 N -2.79251 -0.12837 -0.13594 -2.50447 -1.00173 -1.22871 -2.84153 -0.80277 1.07363 -2.59470 -2.12608 0.84272	DPP-CC N C C C C C C C C C	-3.49537 -0.53349 4.60032 DOH -2.51826 -0.54248 -1.07274 -2.28592 -1.65044 -1.95480 -2.64912 -0.93636 0.23148 -2.51547 -2.28985 0.28627 -2.28909 -2.79808 -1.02968 -2.16178 -4.14981 -0.92345 -2.52583 -3.38000 1.23214 -2.29992 -4.50741 0.40933 -2.13767 -1.55228 -3.14627 -2.68446 -3.38218 2.44346 -2.89469 0.02585 1.33635
N O O Cl H H H C DPP-CN N C C C C C	-2.36027 -4.52614 0.32516 -2.01172 -1.45127 -3.09005 -2.81830 -3.56382 2.40200 -1.84891 -5.21278 -2.20730 -2.33433 -5.48701 0.62400 -2.49279 0.45281 -1.31931 -2.86713 -0.22650 1.08304 V -2.79251 -0.12837 -0.13594 -2.50447 -1.00173 -1.22871 -2.84153 -0.80277 1.07363 -2.59470 -2.12608 0.84272 -2.38056 -2.29831 -0.56400 -2.13411 -3.61952 -0.79455	DPP-CC N C C C C C C C N O O C H H	-3.49537 -0.53349 4.60032 DOH -2.51826 -0.54248 -1.07274 -2.28592 -1.65044 -1.95480 -2.64912 -0.93636 0.23148 -2.51547 -2.28985 0.28627 -2.28909 -2.79808 -1.02968 -2.16178 -4.14981 -0.92345 -2.52583 -3.38000 1.23214 -2.29992 -4.50741 0.40933 -2.13767 -1.55228 -3.14627 -2.68446 -3.38218 2.44346 -2.89469 0.02585 1.33635 -2.24966 -5.44573 0.77031 -2.57759 0.41800 -1.37518
N O CI H H CO DPP-CN N C C C C C C C C C	-2.36027 -4.52614 0.32516 -2.01172 -1.45127 -3.09005 -2.81830 -3.56382 2.40200 -1.84891 -5.21278 -2.20730 -2.33433 -5.48701 0.62400 -2.49279 0.45281 -1.31931 -2.86713 -0.22650 1.08304 -2.79251 -0.12837 -0.13594 -2.50447 -1.00173 -1.22871 -2.84153 -0.80277 1.07363 -2.59470 -2.12608 0.84272 -2.38056 -2.29831 -0.56400 -2.13411 -3.61952 -0.79455 -2.46904 -3.43076 1.50183	DPP-CC N C C C C C C C N O O C H H	-3.49537 -0.53349 4.60032 DOH -2.51826 -0.54248 -1.07274 -2.28592 -1.65044 -1.95480 -2.64912 -0.93636 0.23148 -2.51547 -2.28985 0.28627 -2.28909 -2.79808 -1.02968 -2.16178 -4.14981 -0.92345 -2.52583 -3.38000 1.23214 -2.29992 -4.50741 0.40933 -2.13767 -1.55228 -3.14627 -2.68446 -3.38218 2.44346 -2.89469 0.02585 1.33635 -2.24966 -5.44573 0.77031 -2.57759 0.41800 -1.37518 -2.99031 1.20722 1.12409
N O CI H H CO DPP-CN N C C C C C C C C N	-2.36027 -4.52614 0.32516 -2.01172 -1.45127 -3.09005 -2.81830 -3.56382 2.40200 -1.84891 -5.21278 -2.20730 -2.33433 -5.48701 0.62400 -2.49279 0.45281 -1.31931 -2.86713 -0.22650 1.08304 -2.79251 -0.12837 -0.13594 -2.50447 -1.00173 -1.22871 -2.84153 -0.80277 1.07363 -2.59470 -2.12608 0.84272 -2.38056 -2.29831 -0.56400 -2.13411 -3.61952 -0.79455 -2.46904 -3.43076 1.50183 -2.18062 -4.29642 0.39652	DPP-CC N C C C C C C C C C C H H O O	-3.49537 -0.53349 4.60032 DOH -2.51826 -0.54248 -1.07274 -2.28592 -1.65044 -1.95480 -2.64912 -0.93636 0.23148 -2.51547 -2.28985 0.28627 -2.28909 -2.79808 -1.02968 -2.16178 -4.14981 -0.92345 -2.52583 -3.38000 1.23214 -2.29992 -4.50741 0.40933 -2.13767 -1.55228 -3.14627 -2.68446 -3.38218 2.44346 -2.89469 0.02585 1.33635 -2.24966 -5.44573 0.77031 -2.57759 0.41800 -1.37518 -2.99031 1.20722 1.12409 -2.99894 -0.50293 2.55713
N O CI H H CO DPP-CN N C C C C C C C C C	-2.36027 -4.52614 0.32516 -2.01172 -1.45127 -3.09005 -2.81830 -3.56382 2.40200 -1.84891 -5.21278 -2.20730 -2.33433 -5.48701 0.62400 -2.49279 0.45281 -1.31931 -2.86713 -0.22650 1.08304 -2.79251 -0.12837 -0.13594 -2.50447 -1.00173 -1.22871 -2.84153 -0.80277 1.07363 -2.59470 -2.12608 0.84272 -2.38056 -2.29831 -0.56400 -2.13411 -3.61952 -0.79455 -2.46904 -3.43076 1.50183	DPP-CC N C C C C C C C N O O C H H	-3.49537 -0.53349 4.60032 DOH -2.51826 -0.54248 -1.07274 -2.28592 -1.65044 -1.95480 -2.64912 -0.93636 0.23148 -2.51547 -2.28985 0.28627 -2.28909 -2.79808 -1.02968 -2.16178 -4.14981 -0.92345 -2.52583 -3.38000 1.23214 -2.29992 -4.50741 0.40933 -2.13767 -1.55228 -3.14627 -2.68446 -3.38218 2.44346 -2.89469 0.02585 1.33635 -2.24966 -5.44573 0.77031 -2.57759 0.41800 -1.37518 -2.99031 1.20722 1.12409
N O CI H H CO DPP-CN N C C C C C C C C N	-2.36027 -4.52614 0.32516 -2.01172 -1.45127 -3.09005 -2.81830 -3.56382 2.40200 -1.84891 -5.21278 -2.20730 -2.33433 -5.48701 0.62400 -2.49279 0.45281 -1.31931 -2.86713 -0.22650 1.08304 -2.79251 -0.12837 -0.13594 -2.50447 -1.00173 -1.22871 -2.84153 -0.80277 1.07363 -2.59470 -2.12608 0.84272 -2.38056 -2.29831 -0.56400 -2.13411 -3.61952 -0.79455 -2.46904 -3.43076 1.50183 -2.18062 -4.29642 0.39652	DPP-CC N C C C C C C C C C C H H O O	-3.49537 -0.53349 4.60032 DOH -2.51826 -0.54248 -1.07274 -2.28592 -1.65044 -1.95480 -2.64912 -0.93636 0.23148 -2.51547 -2.28985 0.28627 -2.28909 -2.79808 -1.02968 -2.16178 -4.14981 -0.92345 -2.52583 -3.38000 1.23214 -2.29992 -4.50741 0.40933 -2.13767 -1.55228 -3.14627 -2.68446 -3.38218 2.44346 -2.89469 0.02585 1.33635 -2.24966 -5.44573 0.77031 -2.57759 0.41800 -1.37518 -2.99031 1.20722 1.12409 -2.99894 -0.50293 2.55713
N O O CI H H C C C C C C C C C O O	-2.36027 -4.52614 0.32516 -2.01172 -1.45127 -3.09005 -2.81830 -3.56382 2.40200 -1.84891 -5.21278 -2.20730 -2.33433 -5.48701 0.62400 -2.49279 0.45281 -1.31931 -2.86713 -0.22650 1.08304 V -2.79251 -0.12837 -0.13594 -2.50447 -1.00173 -1.22871 -2.84153 -0.80277 1.07363 -2.59470 -2.12608 0.84272 -2.38056 -2.29831 -0.56400 -2.13411 -3.61952 -0.79455 -2.46904 -3.43076 1.50183 -2.18062 -4.29642 0.39652 -2.41034 -0.64350 -2.37820 -2.56248 -3.79548 2.64626	DPP-CC N C C C C C C C C C C H H O O O H	-3.49537 -0.53349 4.60032 DOH -2.51826 -0.54248 -1.07274 -2.28592 -1.65044 -1.95480 -2.64912 -0.93636 0.23148 -2.51547 -2.28985 0.28627 -2.28909 -2.79808 -1.02968 -2.16178 -4.14981 -0.92345 -2.52583 -3.38000 1.23214 -2.29992 -4.50741 0.40933 -2.13767 -1.55228 -3.14627 -2.68446 -3.38218 2.44346 -2.89469 0.02585 1.33635 -2.24966 -5.44573 0.77031 -2.57759 0.41800 -1.37518 -2.99031 1.20722 1.12409 -2.99894 -0.50293 2.55713 -2.90114 -1.48232 2.59377
N O O CI H H H H T DPP-CN N C C C C C C C C C C C C C C C C C	-2.36027 -4.52614 0.32516 -2.01172 -1.45127 -3.09005 -2.81830 -3.56382 2.40200 -1.84891 -5.21278 -2.20730 -2.33433 -5.48701 0.62400 -2.49279 0.45281 -1.31931 -2.86713 -0.22650 1.08304 -2.79251 -0.12837 -0.13594 -2.50447 -1.00173 -1.22871 -2.84153 -0.80277 1.07363 -2.59470 -2.12608 0.84272 -2.38056 -2.29831 -0.56400 -2.13411 -3.61952 -0.79455 -2.46904 -3.43076 1.50183 -2.18062 -4.29642 0.39652 -2.41034 -0.64350 -2.37820 -2.56248 -3.79548 2.64626 -3.11255 -0.12261 2.28307	DPP-CON	-3.49537 -0.53349 4.60032 DOH -2.51826 -0.54248 -1.07274 -2.28592 -1.65044 -1.95480 -2.64912 -0.93636 0.23148 -2.51547 -2.28985 0.28627 -2.28909 -2.79808 -1.02968 -2.16178 -4.14981 -0.92345 -2.52583 -3.38000 1.23214 -2.29992 -4.50741 0.40933 -2.13767 -1.55228 -3.14627 -2.68446 -3.38218 2.44346 -2.89469 0.02585 1.33635 -2.24966 -5.44573 0.77031 -2.57759 0.41800 -1.37518 -2.99031 1.20722 1.12409 -2.99894 -0.50293 2.55713 -2.90114 -1.48232 2.59377
N O O CI H H H C C C C C C C C C C C C C C C	-2.36027 -4.52614 0.32516 -2.01172 -1.45127 -3.09005 -2.81830 -3.56382 2.40200 -1.84891 -5.21278 -2.20730 -2.33433 -5.48701 0.62400 -2.49279 0.45281 -1.31931 -2.86713 -0.22650 1.08304 -2.79251 -0.12837 -0.13594 -2.50447 -1.00173 -1.22871 -2.84153 -0.80277 1.07363 -2.59470 -2.12608 0.84272 -2.38056 -2.29831 -0.56400 -2.13411 -3.61952 -0.79455 -2.46904 -3.43076 1.50183 -2.18062 -4.29642 0.39652 -2.41034 -0.64350 -2.37820 -2.56248 -3.79548 2.64626 -3.11255 -0.12261 2.28307 -2.03695 -5.28519 0.51840	DPP-CO N C C C C C C N O O C H H O O O H H	-3.49537 -0.53349 4.60032 OOH -2.51826 -0.54248 -1.07274 -2.28592 -1.65044 -1.95480 -2.64912 -0.93636 0.23148 -2.51547 -2.28985 0.28627 -2.28909 -2.79808 -1.02968 -2.16178 -4.14981 -0.92345 -2.52583 -3.38000 1.23214 -2.29992 -4.50741 0.40933 -2.13767 -1.55228 -3.14627 -2.68446 -3.38218 2.44346 -2.89469 0.02585 1.33635 -2.24966 -5.44573 0.77031 -2.57759 0.41800 -1.37518 -2.99031 1.20722 1.12409 -2.99894 -0.50293 2.55713 -2.90114 -1.48232 2.59377 -1.98370 -4.89907 -1.67809
N O O CI H H H H T DPP-CN N C C C C C C C C C C H H H	-2.36027 -4.52614 0.32516 -2.01172 -1.45127 -3.09005 -2.81830 -3.56382 2.40200 -1.84891 -5.21278 -2.20730 -2.33433 -5.48701 0.62400 -2.49279 0.45281 -1.31931 -2.86713 -0.22650 1.08304 V -2.79251 -0.12837 -0.13594 -2.50447 -1.00173 -1.22871 -2.84153 -0.80277 1.07363 -2.59470 -2.12608 0.84272 -2.38056 -2.29831 -0.56400 -2.13411 -3.61952 -0.79455 -2.46904 -3.43076 1.50183 -2.18062 -4.29642 0.39652 -2.41034 -0.64350 -2.37820 -2.56248 -3.79548 2.64626 -3.11255 -0.12261 2.28307 -2.03695 -5.28519 0.51840 -2.93752 0.86138 -0.25252	DPP-CC N C C C C C C C N O C C H H O O C H H H O DPP-F N	-3.49537 -0.53349 4.60032 DOH -2.51826 -0.54248 -1.07274 -2.28592 -1.65044 -1.95480 -2.64912 -0.93636 0.23148 -2.51547 -2.28985 0.28627 -2.28909 -2.79808 -1.02968 -2.16178 -4.14981 -0.92345 -2.52583 -3.38000 1.23214 -2.29992 -4.50741 0.40933 -2.13767 -1.55228 -3.14627 -2.68446 -3.38218 2.44346 -2.89469 0.02585 1.33635 -2.24966 -5.44573 0.77031 -2.57759 0.41800 -1.37518 -2.99031 1.20722 1.12409 -2.99894 -0.50293 2.55713 -2.90114 -1.48232 2.59377
N O O CI H H H C C C C C C C C C C C C C C C	-2.36027 -4.52614 0.32516 -2.01172 -1.45127 -3.09005 -2.81830 -3.56382 2.40200 -1.84891 -5.21278 -2.20730 -2.33433 -5.48701 0.62400 -2.49279 0.45281 -1.31931 -2.86713 -0.22650 1.08304 -2.79251 -0.12837 -0.13594 -2.50447 -1.00173 -1.22871 -2.84153 -0.80277 1.07363 -2.59470 -2.12608 0.84272 -2.38056 -2.29831 -0.56400 -2.13411 -3.61952 -0.79455 -2.46904 -3.43076 1.50183 -2.18062 -4.29642 0.39652 -2.41034 -0.64350 -2.37820 -2.56248 -3.79548 2.64626 -3.11255 -0.12261 2.28307 -2.03695 -5.28519 0.51840	DPP-CO N C C C C C C N O O C H H O O O H H	-3.49537 -0.53349 4.60032 OOH -2.51826 -0.54248 -1.07274 -2.28592 -1.65044 -1.95480 -2.64912 -0.93636 0.23148 -2.51547 -2.28985 0.28627 -2.28909 -2.79808 -1.02968 -2.16178 -4.14981 -0.92345 -2.52583 -3.38000 1.23214 -2.29992 -4.50741 0.40933 -2.13767 -1.55228 -3.14627 -2.68446 -3.38218 2.44346 -2.89469 0.02585 1.33635 -2.24966 -5.44573 0.77031 -2.57759 0.41800 -1.37518 -2.99031 1.20722 1.12409 -2.99894 -0.50293 2.55713 -2.90114 -1.48232 2.59377 -1.98370 -4.89907 -1.67809
N O O CI H H H C C C C C C C C C C C C C H H N	-2.36027 -4.52614 0.32516 -2.01172 -1.45127 -3.09005 -2.81830 -3.56382 2.40200 -1.84891 -5.21278 -2.20730 -2.33433 -5.48701 0.62400 -2.49279 0.45281 -1.31931 -2.86713 -0.22650 1.08304 -2.79251 -0.12837 -0.13594 -2.50447 -1.00173 -1.22871 -2.84153 -0.80277 1.07363 -2.59470 -2.12608 0.84272 -2.38056 -2.29831 -0.56400 -2.13411 -3.61952 -0.79455 -2.46904 -3.43076 1.50183 -2.18062 -4.29642 0.39652 -2.41034 -0.64350 -2.37820 -2.56248 -3.79548 2.64626 -3.11255 -0.12261 2.28307 -2.03695 -5.28519 0.51840 -2.93752 0.86138 -0.25252 -3.33630 0.46280 3.25067	DPP-CC N C C C C C C N O C H H O O H H C DPP-F N C	-3.49537 -0.53349 4.60032 OOH -2.51826 -0.54248 -1.07274 -2.28592 -1.65044 -1.95480 -2.64912 -0.93636 0.23148 -2.51547 -2.28985 0.28627 -2.28909 -2.79808 -1.02968 -2.16178 -4.14981 -0.92345 -2.52583 -3.38000 1.23214 -2.29992 -4.50741 0.40933 -2.13767 -1.55228 -3.14627 -2.68446 -3.38218 2.44346 -2.89469 0.02585 1.33635 -2.24966 -5.44573 0.77031 -2.57759 0.41800 -1.37518 -2.99031 1.20722 1.12409 -2.99894 -0.50293 2.55713 -2.90114 -1.48232 2.59377 -1.98370 -4.89907 -1.67809
N O O CI H H H H T DPP-CN N C C C C C C C C C C H H H	-2.36027 -4.52614 0.32516 -2.01172 -1.45127 -3.09005 -2.81830 -3.56382 2.40200 -1.84891 -5.21278 -2.20730 -2.33433 -5.48701 0.62400 -2.49279 0.45281 -1.31931 -2.86713 -0.22650 1.08304 V -2.79251 -0.12837 -0.13594 -2.50447 -1.00173 -1.22871 -2.84153 -0.80277 1.07363 -2.59470 -2.12608 0.84272 -2.38056 -2.29831 -0.56400 -2.13411 -3.61952 -0.79455 -2.46904 -3.43076 1.50183 -2.18062 -4.29642 0.39652 -2.41034 -0.64350 -2.37820 -2.56248 -3.79548 2.64626 -3.11255 -0.12261 2.28307 -2.03695 -5.28519 0.51840 -2.93752 0.86138 -0.25252	DPP-CC N C C C C C C N O C H H O O H H C C C C C C C C C C C C	-3.49537 -0.53349 4.60032 DOH -2.51826 -0.54248 -1.07274 -2.28592 -1.65044 -1.95480 -2.64912 -0.93636 0.23148 -2.51547 -2.28985 0.28627 -2.28909 -2.79808 -1.02968 -2.16178 -4.14981 -0.92345 -2.52583 -3.38000 1.23214 -2.29992 -4.50741 0.40933 -2.13767 -1.55228 -3.14627 -2.68446 -3.38218 2.44346 -2.89469 0.02585 1.33635 -2.24966 -5.44573 0.77031 -2.57759 0.41800 -1.37518 -2.99031 1.20722 1.12409 -2.99894 -0.50293 2.55713 -2.90114 -1.48232 2.59377 -1.98370 -4.89907 -1.67809
N O O CI H H H H T DPP-CN N C C C C C C C C C H H H N H	-2.36027 -4.52614 0.32516 -2.01172 -1.45127 -3.09005 -2.81830 -3.56382 2.40200 -1.84891 -5.21278 -2.20730 -2.33433 -5.48701 0.62400 -2.49279 0.45281 -1.31931 -2.86713 -0.22650 1.08304 -2.79251 -0.12837 -0.13594 -2.50447 -1.00173 -1.22871 -2.84153 -0.80277 1.07363 -2.59470 -2.12608 0.84272 -2.38056 -2.29831 -0.56400 -2.13411 -3.61952 -0.79455 -2.46904 -3.43076 1.50183 -2.18062 -4.29642 0.39652 -2.41034 -0.64350 -2.37820 -2.56248 -3.79548 2.64626 -3.11255 -0.12261 2.28307 -2.03695 -5.28519 0.51840 -2.93752 0.86138 -0.25252 -3.33630 0.46280 3.25067 -1.92827 -4.13213 -1.72114	DPP-CC N C C C C C C N O C H H O O H H C C C C C C C C C C C C	-3.49537 -0.53349 4.60032 DOH -2.51826 -0.54248 -1.07274 -2.28592 -1.65044 -1.95480 -2.64912 -0.93636 0.23148 -2.51547 -2.28985 0.28627 -2.28909 -2.79808 -1.02968 -2.16178 -4.14981 -0.92345 -2.52583 -3.38000 1.23214 -2.29992 -4.50741 0.40933 -2.13767 -1.55228 -3.14627 -2.68446 -3.38218 2.44346 -2.89469 0.02585 1.33635 -2.24966 -5.44573 0.77031 -2.57759 0.41800 -1.37518 -2.99031 1.20722 1.12409 -2.99894 -0.50293 2.55713 -2.90114 -1.48232 2.59377 -1.98370 -4.89907 -1.67809 -2.78579 -0.15605 -0.14462 -2.50112 -1.02581 -1.24529 -2.83571 -0.81834 1.05912 -2.59521 -2.13701 0.83808
N O O CI H H H C C C C C C C C C C C C C H H N	-2.36027 -4.52614 0.32516 -2.01172 -1.45127 -3.09005 -2.81830 -3.56382 2.40200 -1.84891 -5.21278 -2.20730 -2.33433 -5.48701 0.62400 -2.49279 0.45281 -1.31931 -2.86713 -0.22650 1.08304 -2.79251 -0.12837 -0.13594 -2.50447 -1.00173 -1.22871 -2.84153 -0.80277 1.07363 -2.59470 -2.12608 0.84272 -2.38056 -2.29831 -0.56400 -2.13411 -3.61952 -0.79455 -2.46904 -3.43076 1.50183 -2.18062 -4.29642 0.39652 -2.41034 -0.64350 -2.37820 -2.56248 -3.79548 2.64626 -3.11255 -0.12261 2.28307 -2.03695 -5.28519 0.51840 -2.93752 0.86138 -0.25252 -3.33630 0.46280 3.25067 -1.92827 -4.13213 -1.72114	DPP-CC N C C C C C C N O C H H O O H H C C C C C C C C C C C C	-3.49537 -0.53349 4.60032 DOH -2.51826 -0.54248 -1.07274 -2.28592 -1.65044 -1.95480 -2.64912 -0.93636 0.23148 -2.51547 -2.28985 0.28627 -2.28909 -2.79808 -1.02968 -2.16178 -4.14981 -0.92345 -2.52583 -3.38000 1.23214 -2.29992 -4.50741 0.40933 -2.13767 -1.55228 -3.14627 -2.68446 -3.38218 2.44346 -2.89469 0.02585 1.33635 -2.24966 -5.44573 0.77031 -2.57759 0.41800 -1.37518 -2.99031 1.20722 1.12409 -2.99894 -0.50293 2.55713 -2.90114 -1.48232 2.59377 -1.98370 -4.89907 -1.67809
N O O CI H H H H H DPP-CN N C C C C C C C C H H H N H H DPP-CO DP-CO DP-CO DP-CO DP-CO DP-CO DP-CO DP-CO DP	-2.36027 -4.52614 0.32516 -2.01172 -1.45127 -3.09005 -2.81830 -3.56382 2.40200 -1.84891 -5.21278 -2.20730 -2.33433 -5.48701 0.62400 -2.49279 0.45281 -1.31931 -2.86713 -0.22650 1.08304 V -2.79251 -0.12837 -0.13594 -2.50447 -1.00173 -1.22871 -2.84153 -0.80277 1.07363 -2.59470 -2.12608 0.84272 -2.38056 -2.29831 -0.56400 -2.13411 -3.61952 -0.79455 -2.46904 -3.43076 1.50183 -2.18062 -4.29642 0.39652 -2.41034 -0.64350 -2.37820 -2.56248 -3.79548 2.64626 -3.11255 -0.12261 2.28307 -2.03695 -5.28519 0.51840 -2.93752 0.86138 -0.25252 -3.33630 0.46280 3.25067 -1.92827 -4.13213 -1.72114	DPP-CC N C C C C C C N O C H H O O H H C C C C C C C C C C C C	-3.49537 -0.53349 4.60032 OOH -2.51826 -0.54248 -1.07274 -2.28592 -1.65044 -1.95480 -2.64912 -0.93636 0.23148 -2.51547 -2.28985 0.28627 -2.28909 -2.79808 -1.02968 -2.16178 -4.14981 -0.92345 -2.52583 -3.38000 1.23214 -2.29992 -4.50741 0.40933 -2.13767 -1.55228 -3.14627 -2.68446 -3.38218 2.44346 -2.89469 0.02585 1.33635 -2.24966 -5.44573 0.77031 -2.57759 0.41800 -1.37518 -2.99031 1.20722 1.12409 -2.99894 -0.50293 2.55713 -2.90114 -1.48232 2.59377 -1.98370 -4.89907 -1.67809 -2.78579 -0.15605 -0.14462 -2.50112 -1.02581 -1.24529 -2.83571 -0.81834 1.05912 -2.59521 -2.13701 0.83808 -2.37804 -2.31925 -0.58323
N O O CI H H H H H DPP-CN N C C C C C C C H H H N H DPP-CO N	-2.36027 -4.52614 0.32516 -2.01172 -1.45127 -3.09005 -2.81830 -3.56382 2.40200 -1.84891 -5.21278 -2.20730 -2.33433 -5.48701 0.62400 -2.49279 0.45281 -1.31931 -2.86713 -0.22650 1.08304 -2.79251 -0.12837 -0.13594 -2.50447 -1.00173 -1.22871 -2.84153 -0.80277 1.07363 -2.59470 -2.12608 0.84272 -2.38056 -2.29831 -0.56400 -2.13411 -3.61952 -0.79455 -2.46904 -3.43076 1.50183 -2.18062 -4.29642 0.39652 -2.41034 -0.64350 -2.37820 -2.56248 -3.79548 2.64626 -3.11255 -0.12261 2.28307 -2.03695 -5.28519 0.51840 -2.93752 0.86138 -0.25252 -3.33630 0.46280 3.25067 -1.92827 -4.13213 -1.72114	DPP-CC N C C C C C C N O C H H O O H H C C C C C C C C C C C C	-3.49537 -0.53349 4.60032 DOH -2.51826 -0.54248 -1.07274 -2.28592 -1.65044 -1.95480 -2.64912 -0.93636 0.23148 -2.51547 -2.28985 0.28627 -2.28909 -2.79808 -1.02968 -2.16178 -4.14981 -0.92345 -2.52583 -3.38000 1.23214 -2.29992 -4.50741 0.40933 -2.13767 -1.55228 -3.14627 -2.68446 -3.38218 2.44346 -2.89469 0.02585 1.33635 -2.24966 -5.44573 0.77031 -2.57759 0.41800 -1.37518 -2.99031 1.20722 1.12409 -2.99894 -0.50293 2.55713 -2.90114 -1.48232 2.59377 -1.98370 -4.89907 -1.67809 -2.78579 -0.15605 -0.14462 -2.50112 -1.02581 -1.24529 -2.83571 -0.81834 1.05912 -2.59521 -2.13701 0.83808 -2.37804 -2.31925 -0.58323 -2.13524 -3.64134 -0.75866
N O O CI H H H H H DPP-CN N C C C C C C C H H H N H DPP-CO N C C C C C C C C C C C C C C C C C C	-2.36027 -4.52614 0.32516 -2.01172 -1.45127 -3.09005 -2.81830 -3.56382 2.40200 -1.84891 -5.21278 -2.20730 -2.33433 -5.48701 0.62400 -2.49279 0.45281 -1.31931 -2.86713 -0.22650 1.08304 -2.79251 -0.12837 -0.13594 -2.50447 -1.00173 -1.22871 -2.84153 -0.80277 1.07363 -2.59470 -2.12608 0.84272 -2.38056 -2.29831 -0.56400 -2.13411 -3.61952 -0.79455 -2.46904 -3.43076 1.50183 -2.18062 -4.29642 0.39652 -2.41034 -0.64350 -2.37820 -2.56248 -3.79548 2.64626 -3.11255 -0.12261 2.28307 -2.03695 -5.28519 0.51840 -2.93752 0.86138 -0.25252 -3.33630 0.46280 3.25067 -1.92827 -4.13213 -1.72114	DPP-CC N C C C C C C N O C H H O O H H C C C C C C C C C C C C	-3.49537 -0.53349 4.60032 DOH -2.51826 -0.54248 -1.07274 -2.28592 -1.65044 -1.95480 -2.64912 -0.93636 0.23148 -2.51547 -2.28985 0.28627 -2.28909 -2.79808 -1.02968 -2.16178 -4.14981 -0.92345 -2.52583 -3.38000 1.23214 -2.29992 -4.50741 0.40933 -2.13767 -1.55228 -3.14627 -2.68446 -3.38218 2.44346 -2.89469 0.02585 1.33635 -2.24966 -5.44573 0.77031 -2.57759 0.41800 -1.37518 -2.99031 1.20722 1.12409 -2.99894 -0.50293 2.55713 -2.90114 -1.48232 2.59377 -1.98370 -4.89907 -1.67809 -2.78579 -0.15605 -0.14462 -2.50112 -1.02581 -1.24529 -2.83571 -0.81834 1.05912 -2.59521 -2.13701 0.83808 -2.37804 -2.31925 -0.58323 -2.13524 -3.64134 -0.75866 -2.47492 -3.42069 1.51945
N O O C C H H H N H PPP-CO N C C C C C C C C C C C C C C C C C C	-2.36027 -4.52614 0.32516 -2.01172 -1.45127 -3.09005 -2.81830 -3.56382 2.40200 -1.84891 -5.21278 -2.20730 -2.33433 -5.48701 0.62400 -2.49279 0.45281 -1.31931 -2.86713 -0.22650 1.08304 -2.79251 -0.12837 -0.13594 -2.50447 -1.00173 -1.22871 -2.84153 -0.80277 1.07363 -2.59470 -2.12608 0.84272 -2.38056 -2.29831 -0.56400 -2.13411 -3.61952 -0.79455 -2.46904 -3.43076 1.50183 -2.18062 -4.29642 0.39652 -2.41034 -0.64350 -2.37820 -2.56248 -3.79548 2.64626 -3.11255 -0.12261 2.28307 -2.03695 -5.28519 0.51840 -2.93752 0.86138 -0.25252 -3.33630 0.46280 3.25067 -1.92827 -4.13213 -1.72114 DMe -2.46780 -0.47928 -0.98791 -2.21325 -1.54523 -1.89210 -2.66474 -0.90943 0.30371	DPP-CC N C C C C C C C N O C H H O O H H C C C C C C C C C C C C	-3.49537 -0.53349 4.60032 DOH -2.51826 -0.54248 -1.07274 -2.28592 -1.65044 -1.95480 -2.64912 -0.93636 0.23148 -2.51547 -2.28985 0.28627 -2.28909 -2.79808 -1.02968 -2.16178 -4.14981 -0.92345 -2.52583 -3.38000 1.23214 -2.29992 -4.50741 0.40933 -2.13767 -1.55228 -3.14627 -2.68446 -3.38218 2.44346 -2.89469 0.02585 1.33635 -2.24966 -5.44573 0.77031 -2.57759 0.41800 -1.37518 -2.99031 1.20722 1.12409 -2.99894 -0.50293 2.55713 -2.90114 -1.48232 2.59377 -1.98370 -4.89907 -1.67809 -2.78579 -0.15605 -0.14462 -2.50112 -1.02581 -1.24529 -2.83571 -0.81834 1.05912 -2.59521 -2.13701 0.83808 -2.37804 -2.31925 -0.58323 -2.13524 -3.64134 -0.75866 -2.47492 -3.42069 1.51945 -2.18303 -4.31629 0.43007
N O O CI H H H H H DPP-CN N C C C C C C C H H H N H DPP-CO N C C C C C C C C C C C C C C C C C C	-2.36027 -4.52614 0.32516 -2.01172 -1.45127 -3.09005 -2.81830 -3.56382 2.40200 -1.84891 -5.21278 -2.20730 -2.33433 -5.48701 0.62400 -2.49279 0.45281 -1.31931 -2.86713 -0.22650 1.08304 -2.79251 -0.12837 -0.13594 -2.50447 -1.00173 -1.22871 -2.84153 -0.80277 1.07363 -2.59470 -2.12608 0.84272 -2.38056 -2.29831 -0.56400 -2.13411 -3.61952 -0.79455 -2.46904 -3.43076 1.50183 -2.18062 -4.29642 0.39652 -2.41034 -0.64350 -2.37820 -2.56248 -3.79548 2.64626 -3.11255 -0.12261 2.28307 -2.03695 -5.28519 0.51840 -2.93752 0.86138 -0.25252 -3.33630 0.46280 3.25067 -1.92827 -4.13213 -1.72114	DPP-CC N C C C C C C N O C H H O O H H C C C C C C C C C C C C	-3.49537 -0.53349 4.60032 DOH -2.51826 -0.54248 -1.07274 -2.28592 -1.65044 -1.95480 -2.64912 -0.93636 0.23148 -2.51547 -2.28985 0.28627 -2.28909 -2.79808 -1.02968 -2.16178 -4.14981 -0.92345 -2.52583 -3.38000 1.23214 -2.29992 -4.50741 0.40933 -2.13767 -1.55228 -3.14627 -2.68446 -3.38218 2.44346 -2.89469 0.02585 1.33635 -2.24966 -5.44573 0.77031 -2.57759 0.41800 -1.37518 -2.99031 1.20722 1.12409 -2.99894 -0.50293 2.55713 -2.90114 -1.48232 2.59377 -1.98370 -4.89907 -1.67809 -2.78579 -0.15605 -0.14462 -2.50112 -1.02581 -1.24529 -2.83571 -0.81834 1.05912 -2.59521 -2.13701 0.83808 -2.37804 -2.31925 -0.58323 -2.13524 -3.64134 -0.75866 -2.47492 -3.42069 1.51945
N O O C C H H N H P P-C N N C C C C C C C C C C C C C C C C C	-2.36027 -4.52614 0.32516 -2.01172 -1.45127 -3.09005 -2.81830 -3.56382 2.40200 -1.84891 -5.21278 -2.20730 -2.33433 -5.48701 0.62400 -2.49279 0.45281 -1.31931 -2.86713 -0.22650 1.08304 N -2.79251 -0.12837 -0.13594 -2.50447 -1.00173 -1.22871 -2.84153 -0.80277 1.07363 -2.59470 -2.12608 0.84272 -2.38056 -2.29831 -0.56400 -2.13411 -3.61952 -0.79455 -2.46904 -3.43076 1.50183 -2.18062 -4.29642 0.39652 -2.41034 -0.64350 -2.37820 -2.56248 -3.79548 2.64626 -3.11255 -0.12261 2.28307 -2.03695 -5.28519 0.51840 -2.93752 0.86138 -0.25252 -3.33630 0.46280 3.25067 -1.92827 -4.13213 -1.72114 DMe -2.46780 -0.47928 -0.98791 -2.21325 -1.54523 -1.89210 -2.66474 -0.90943 0.30371 -2.55268 -2.27579 0.32524	DPP-CC N C C C C C C N O C H H O O H H C C C C C C C C C C C C	-3.49537 -0.53349 4.60032 DOH -2.51826 -0.54248 -1.07274 -2.28592 -1.65044 -1.95480 -2.64912 -0.93636 0.23148 -2.51547 -2.28985 0.28627 -2.28909 -2.79808 -1.02968 -2.16178 -4.14981 -0.92345 -2.52583 -3.38000 1.23214 -2.29992 -4.50741 0.40933 -2.13767 -1.55228 -3.14627 -2.68446 -3.38218 2.44346 -2.89469 0.02585 1.33635 -2.24966 -5.44573 0.77031 -2.57759 0.41800 -1.37518 -2.99031 1.20722 1.12409 -2.99894 -0.50293 2.55713 -2.90114 -1.48232 2.59377 -1.98370 -4.89907 -1.67809 -2.78579 -0.15605 -0.14462 -2.50112 -1.02581 -1.24529 -2.83571 -0.81834 1.05912 -2.59521 -2.13701 0.83808 -2.37804 -2.31925 -0.58323 -2.13524 -3.64134 -0.75866 -2.47492 -3.42069 1.51945 -2.18303 -4.31629 0.43007 -2.41090 -0.65919 -2.39370
N O O C C H H N N H DPP-CO N C C C C C C C C C C C C C C C C C C	-2.36027 -4.52614 0.32516 -2.01172 -1.45127 -3.09005 -2.81830 -3.56382 2.40200 -1.84891 -5.21278 -2.20730 -2.33433 -5.48701 0.62400 -2.49279 0.45281 -1.31931 -2.86713 -0.22650 1.08304 -2.79251 -0.12837 -0.13594 -2.50447 -1.00173 -1.22871 -2.84153 -0.80277 1.07363 -2.59470 -2.12608 0.84272 -2.38056 -2.29831 -0.56400 -2.13411 -3.61952 -0.79455 -2.46904 -3.43076 1.50183 -2.18062 -4.29642 0.39652 -2.41034 -0.64350 -2.37820 -2.56248 -3.79548 2.64626 -3.11255 -0.12261 2.28307 -2.03695 -5.28519 0.51840 -2.93752 0.86138 -0.25252 -3.33630 0.46280 3.25067 -1.92827 -4.13213 -1.72114 DMe -2.46780 -0.47928 -0.98791 -2.21325 -1.54523 -1.89210 -2.66474 -0.90943 0.30371 -2.55268 -2.27579 0.32524 -2.27383 -2.71803 -1.01149	DPP-CC N C C C C C C C N O C H H O O H H C C C C C C C C C C C C	-3.49537 -0.53349 4.60032 DOH -2.51826 -0.54248 -1.07274 -2.28592 -1.65044 -1.95480 -2.64912 -0.93636 0.23148 -2.51547 -2.28985 0.28627 -2.28909 -2.79808 -1.02968 -2.16178 -4.14981 -0.92345 -2.52583 -3.38000 1.23214 -2.29992 -4.50741 0.40933 -2.13767 -1.55228 -3.14627 -2.68446 -3.38218 2.44346 -2.89469 0.02585 1.33635 -2.24966 -5.44573 0.77031 -2.57759 0.41800 -1.37518 -2.99031 1.20722 1.12409 -2.99894 -0.50293 2.55713 -2.90114 -1.48232 2.59377 -1.98370 -4.89907 -1.67809 -2.78579 -0.15605 -0.14462 -2.50112 -1.02581 -1.24529 -2.83571 -0.81834 1.05912 -2.59521 -2.13701 0.83808 -2.37804 -2.31925 -0.58323 -2.13524 -3.64134 -0.75866 -2.47492 -3.42069 1.51945 -2.18303 -4.31629 0.43007 -2.41090 -0.65919 -2.39370 -2.57008 -3.77194 2.66969
N O O C C H H N H P P-C N N C C C C C C C C C C C C C C C C C	-2.36027 -4.52614 0.32516 -2.01172 -1.45127 -3.09005 -2.81830 -3.56382 2.40200 -1.84891 -5.21278 -2.20730 -2.33433 -5.48701 0.62400 -2.49279 0.45281 -1.31931 -2.86713 -0.22650 1.08304 N -2.79251 -0.12837 -0.13594 -2.50447 -1.00173 -1.22871 -2.84153 -0.80277 1.07363 -2.59470 -2.12608 0.84272 -2.38056 -2.29831 -0.56400 -2.13411 -3.61952 -0.79455 -2.46904 -3.43076 1.50183 -2.18062 -4.29642 0.39652 -2.41034 -0.64350 -2.37820 -2.56248 -3.79548 2.64626 -3.11255 -0.12261 2.28307 -2.03695 -5.28519 0.51840 -2.93752 0.86138 -0.25252 -3.33630 0.46280 3.25067 -1.92827 -4.13213 -1.72114 DMe -2.46780 -0.47928 -0.98791 -2.21325 -1.54523 -1.89210 -2.66474 -0.90943 0.30371 -2.55268 -2.27579 0.32524	DPP-CC N C C C C C C N O C H H O O H H C C C C C C C C C C C C	-3.49537 -0.53349 4.60032 DOH -2.51826 -0.54248 -1.07274 -2.28592 -1.65044 -1.95480 -2.64912 -0.93636 0.23148 -2.51547 -2.28985 0.28627 -2.28909 -2.79808 -1.02968 -2.16178 -4.14981 -0.92345 -2.52583 -3.38000 1.23214 -2.29992 -4.50741 0.40933 -2.13767 -1.55228 -3.14627 -2.68446 -3.38218 2.44346 -2.89469 0.02585 1.33635 -2.24966 -5.44573 0.77031 -2.57759 0.41800 -1.37518 -2.99031 1.20722 1.12409 -2.99894 -0.50293 2.55713 -2.90114 -1.48232 2.59377 -1.98370 -4.89907 -1.67809 -2.78579 -0.15605 -0.14462 -2.50112 -1.02581 -1.24529 -2.83571 -0.81834 1.05912 -2.59521 -2.13701 0.83808 -2.37804 -2.31925 -0.58323 -2.13524 -3.64134 -0.75866 -2.47492 -3.42069 1.51945 -2.18303 -4.31629 0.43007 -2.41090 -0.65919 -2.39370

			~
H	-2.03773 -5.30624 0.54340	DPP-NO	-
Н	-2.92601 0.83161 -0.27716	N	-2.78693 -0.12990 -0.16556
Н	-3.03735 -0.29539 1.98016	C	-2.49785 -1.02525 -1.24027
		C	-2.83824 -0.79014 1.03348
DPP-NI	- -	C	-2.59882 -2.11856 0.86007
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C	-2.91734 -2.31149 -0.14110	N	-2.18559 -4.30007 0.42895
C	-2.29250 -2.83318 -1.33130	O	-2.39495 -0.69939 -2.39754
C	-2.13294 -4.17592 -1.18581	O	-2.57056 -3.79372 2.67004
C	-3.13714 -3.40185 0.77577	N	-3.11762 -0.05507 2.24129
N	-2.63463 -4.51972 0.05077	Н	-2.04430 -5.28801 0.56058
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H	-5.35124 -0.20805 1.57863	Č	-2.68095 -0.49661 0.81025
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C N	-2.26547 -3.54590 -1.04949 -2.65868 -3.47404 1.25861 -2.38537 -4.27468 0.12294	F F F	-3.15351 1.37588 0.30569 -3.74366 -0.00703 1.87881 -2.14277 -5.04819 -2.93302
C N O	-2.26547 -3.54590 -1.04949 -2.65868 -3.47404 1.25861 -2.38537 -4.27468 0.12294 -2.39137 -0.42764 -2.39340	F F	-3.15351 1.37588 0.30569 -3.74366 -0.00703 1.87881
C N	-2.26547 -3.54590 -1.04949 -2.65868 -3.47404 1.25861 -2.38537 -4.27468 0.12294	F F F	-3.15351 1.37588 0.30569 -3.74366 -0.00703 1.87881 -2.14277 -5.04819 -2.93302
C N O O	-2.26547 -3.54590 -1.04949 -2.65868 -3.47404 1.25861 -2.38537 -4.27468 0.12294 -2.39137 -0.42764 -2.39340 -2.78338 -3.92536 2.38244	F F F	-3.15351 1.37588 0.30569 -3.74366 -0.00703 1.87881 -2.14277 -5.04819 -2.93302 -1.66244 0.55829 1.65247
C N O O C	-2.26547 -3.54590 -1.04949 -2.65868 -3.47404 1.25861 -2.38537 -4.27468 0.12294 -2.39137 -0.42764 -2.39340 -2.78338 -3.92536 2.38244 -3.24584 -0.19106 2.30768	F F F DPP-N	-3.15351 1.37588 0.30569 -3.74366 -0.00703 1.87881 -2.14277 -5.04819 -2.93302 -1.66244 0.55829 1.65247
C N O C C	-2.26547 -3.54590 -1.04949 -2.65868 -3.47404 1.25861 -2.38537 -4.27468 0.12294 -2.39137 -0.42764 -2.39340 -2.78338 -3.92536 2.38244 -3.24584 -0.19106 2.30768 -3.28957 -0.97743 3.47057	F F F DPP-N N	-3.15351 1.37588 0.30569 -3.74366 -0.00703 1.87881 -2.14277 -5.04819 -2.93302 -1.66244 0.55829 1.65247 Me ₂ -2.66765 -0.14265 -0.16847
C N O O C C C	-2.26547 -3.54590 -1.04949 -2.65868 -3.47404 1.25861 -2.38537 -4.27468 0.12294 -2.39137 -0.42764 -2.39340 -2.78338 -3.92536 2.38244 -3.24584 -0.19106 2.30768 -3.28957 -0.97743 3.47057 -3.57235 -0.39549 4.69535	F F F DPP-M N C	-3.15351 1.37588 0.30569 -3.74366 -0.00703 1.87881 -2.14277 -5.04819 -2.93302 -1.66244 0.55829 1.65247 Me ₂ -2.66765 -0.14265 -0.16847 -2.37702 -1.04427 -1.23885
C N O C C	-2.26547 -3.54590 -1.04949 -2.65868 -3.47404 1.25861 -2.38537 -4.27468 0.12294 -2.39137 -0.42764 -2.39340 -2.78338 -3.92536 2.38244 -3.24584 -0.19106 2.30768 -3.28957 -0.97743 3.47057	F F F DPP-N N	-3.15351 1.37588 0.30569 -3.74366 -0.00703 1.87881 -2.14277 -5.04819 -2.93302 -1.66244 0.55829 1.65247 Me ₂ -2.66765 -0.14265 -0.16847
C N O O C C C C	-2.26547 -3.54590 -1.04949 -2.65868 -3.47404 1.25861 -2.38537 -4.27468 0.12294 -2.39137 -0.42764 -2.39340 -2.78338 -3.92536 2.38244 -3.24584 -0.19106 2.30768 -3.28957 -0.97743 3.47057 -3.57235 -0.39549 4.69535	F F F DPP-M N C C	-3.15351 1.37588 0.30569 -3.74366 -0.00703 1.87881 -2.14277 -5.04819 -2.93302 -1.66244 0.55829 1.65247 Me ₂ -2.66765 -0.14265 -0.16847 -2.37702 -1.04427 -1.23885
C N O O C C C C	-2.26547 -3.54590 -1.04949 -2.65868 -3.47404 1.25861 -2.38537 -4.27468 0.12294 -2.39137 -0.42764 -2.39340 -2.78338 -3.92536 2.38244 -3.24584 -0.19106 2.30768 -3.28957 -0.97743 3.47057 -3.57235 -0.39549 4.69535 -3.81596 0.97140 4.78960 -3.77729 1.75928 3.64392	F F F DPP-M N C C C	-3.15351 1.37588 0.30569 -3.74366 -0.00703 1.87881 -2.14277 -5.04819 -2.93302 -1.66244 0.55829 1.65247 Me ₂ -2.66765 -0.14265 -0.16847 -2.37702 -1.04427 -1.23885 -2.81113 -0.78141 1.05142 -2.62151 -2.11443 0.83926
C N O O C C C C C	-2.26547 -3.54590 -1.04949 -2.65868 -3.47404 1.25861 -2.38537 -4.27468 0.12294 -2.39137 -0.42764 -2.39340 -2.78338 -3.92536 2.38244 -3.24584 -0.19106 2.30768 -3.28957 -0.97743 3.47057 -3.57235 -0.39549 4.69535 -3.81596 0.97140 4.78960 -3.77729 1.75928 3.64392 -3.49604 1.18556 2.41459	F F F DPP-M N C C C	-3.15351 1.37588 0.30569 -3.74366 -0.00703 1.87881 -2.14277 -5.04819 -2.93302 -1.66244 0.55829 1.65247 Me ₂ -2.66765 -0.14265 -0.16847 -2.37702 -1.04427 -1.23885 -2.81113 -0.78141 1.05142 -2.62151 -2.11443 0.83926 -2.35011 -2.33130 -0.55787
C N O O C C C C C C C	-2.26547 -3.54590 -1.04949 -2.65868 -3.47404 1.25861 -2.38537 -4.27468 0.12294 -2.39137 -0.42764 -2.39340 -2.78338 -3.92536 2.38244 -3.24584 -0.19106 2.30768 -3.28957 -0.97743 3.47057 -3.57235 -0.39549 4.69535 -3.81596 0.97140 4.78960 -3.77729 1.75928 3.64392 -3.49604 1.18556 2.41459 -3.48171 1.82091 1.53884	F F F F DPP-M N C C C C	-3.15351 1.37588 0.30569 -3.74366 -0.00703 1.87881 -2.14277 -5.04819 -2.93302 -1.66244 0.55829 1.65247 Me ₂ -2.66765 -0.14265 -0.16847 -2.37702 -1.04427 -1.23885 -2.81113 -0.78141 1.05142 -2.62151 -2.11443 0.83926 -2.35011 -2.33130 -0.55787 -2.16116 -3.66439 -0.77014
C N O O C C C C C C C H H	-2.26547 -3.54590 -1.04949 -2.65868 -3.47404 1.25861 -2.38537 -4.27468 0.12294 -2.39137 -0.42764 -2.39340 -2.78338 -3.92536 2.38244 -3.24584 -0.19106 2.30768 -3.28957 -0.97743 3.47057 -3.57235 -0.39549 4.69535 -3.81596 0.97140 4.78960 -3.77729 1.75928 3.64392 -3.49604 1.18556 2.41459 -3.48171 1.82091 1.53884 -3.10384 -2.04151 3.40270	F F F DPP-M N C C C C C	-3.15351 1.37588 0.30569 -3.74366 -0.00703 1.87881 -2.14277 -5.04819 -2.93302 -1.66244 0.55829 1.65247 Me ₂ -2.66765 -0.14265 -0.16847 -2.37702 -1.04427 -1.23885 -2.81113 -0.78141 1.05142 -2.62151 -2.11443 0.83926 -2.35011 -2.33130 -0.55787 -2.16116 -3.66439 -0.77014 -2.59401 -3.40139 1.52034
C N O O C C C C C C C	-2.26547 -3.54590 -1.04949 -2.65868 -3.47404 1.25861 -2.38537 -4.27468 0.12294 -2.39137 -0.42764 -2.39340 -2.78338 -3.92536 2.38244 -3.24584 -0.19106 2.30768 -3.28957 -0.97743 3.47057 -3.57235 -0.39549 4.69535 -3.81596 0.97140 4.78960 -3.77729 1.75928 3.64392 -3.49604 1.18556 2.41459 -3.48171 1.82091 1.53884	F F F F DPP-M N C C C C	-3.15351 1.37588 0.30569 -3.74366 -0.00703 1.87881 -2.14277 -5.04819 -2.93302 -1.66244 0.55829 1.65247 Me ₂ -2.66765 -0.14265 -0.16847 -2.37702 -1.04427 -1.23885 -2.81113 -0.78141 1.05142 -2.62151 -2.11443 0.83926 -2.35011 -2.33130 -0.55787 -2.16116 -3.66439 -0.77014
C N O O C C C C C C C H H	-2.26547 -3.54590 -1.04949 -2.65868 -3.47404 1.25861 -2.38537 -4.27468 0.12294 -2.39137 -0.42764 -2.39340 -2.78338 -3.92536 2.38244 -3.24584 -0.19106 2.30768 -3.28957 -0.97743 3.47057 -3.57235 -0.39549 4.69535 -3.81596 0.97140 4.78960 -3.77729 1.75928 3.64392 -3.49604 1.18556 2.41459 -3.48171 1.82091 1.53884 -3.10384 -2.04151 3.40270 -3.60284 -1.01407 5.58293	F F F DPP-N N C C C C C C	-3.15351 1.37588 0.30569 -3.74366 -0.00703 1.87881 -2.14277 -5.04819 -2.93302 -1.66244 0.55829 1.65247 Me ₂ -2.66765 -0.14265 -0.16847 -2.37702 -1.04427 -1.23885 -2.81113 -0.78141 1.05142 -2.62151 -2.11443 0.83926 -2.35011 -2.33130 -0.55787 -2.16116 -3.66439 -0.77014 -2.59401 -3.40139 1.52034 -2.30470 -4.30317 0.44973
C N O O C C C C C C H H H	-2.26547 -3.54590 -1.04949 -2.65868 -3.47404 1.25861 -2.38537 -4.27468 0.12294 -2.39137 -0.42764 -2.39340 -2.78338 -3.92536 2.38244 -3.24584 -0.19106 2.30768 -3.28957 -0.97743 3.47057 -3.57235 -0.39549 4.69535 -3.81596 0.97140 4.78960 -3.77729 1.75928 3.64392 -3.49604 1.18556 2.41459 -3.48171 1.82091 1.53884 -3.10384 -2.04151 3.40270 -3.60284 -1.01407 5.58293 -4.03637 1.42081 5.74930	F F F F DPP-N N C C C C C C N	-3.15351 1.37588 0.30569 -3.74366 -0.00703 1.87881 -2.14277 -5.04819 -2.93302 -1.66244 0.55829 1.65247 Me ₂ -2.66765 -0.14265 -0.16847 -2.37702 -1.04427 -1.23885 -2.81113 -0.78141 1.05142 -2.62151 -2.11443 0.83926 -2.35011 -2.33130 -0.55787 -2.16116 -3.66439 -0.77014 -2.59401 -3.40139 1.52034 -2.30470 -4.30317 0.44973 -2.21534 -0.70315 -2.39168
C N O O C C C C C C H H H H	-2.26547 -3.54590 -1.04949 -2.65868 -3.47404 1.25861 -2.38537 -4.27468 0.12294 -2.39137 -0.42764 -2.39340 -2.78338 -3.92536 2.38244 -3.24584 -0.19106 2.30768 -3.28957 -0.97743 3.47057 -3.57235 -0.39549 4.69535 -3.81596 0.97140 4.78960 -3.77729 1.75928 3.64392 -3.49604 1.18556 2.41459 -3.48171 1.82091 1.53884 -3.10384 -2.04151 3.40270 -3.60284 -1.01407 5.58293 -4.03637 1.42081 5.74930 -3.96832 2.82257 3.70830	F F F F DPP-N N C C C C C C C O O	-3.15351 1.37588 0.30569 -3.74366 -0.00703 1.87881 -2.14277 -5.04819 -2.93302 -1.66244 0.55829 1.65247 Me ₂ -2.66765 -0.14265 -0.16847 -2.37702 -1.04427 -1.23885 -2.81113 -0.78141 1.05142 -2.62151 -2.11443 0.83926 -2.35011 -2.33130 -0.55787 -2.16116 -3.66439 -0.77014 -2.59401 -3.40139 1.52034 -2.30470 -4.30317 0.44973 -2.21534 -0.70315 -2.39168 -2.75633 -3.74259 2.67306
C N O O C C C C C C H H H H	-2.26547 -3.54590 -1.04949 -2.65868 -3.47404 1.25861 -2.38537 -4.27468 0.12294 -2.39137 -0.42764 -2.39340 -2.78338 -3.92536 2.38244 -3.24584 -0.19106 2.30768 -3.28957 -0.97743 3.47057 -3.57235 -0.39549 4.69535 -3.81596 0.97140 4.78960 -3.77729 1.75928 3.64392 -3.49604 1.18556 2.41459 -3.48171 1.82091 1.53884 -3.10384 -2.04151 3.40270 -3.60284 -1.01407 5.58293 -4.03637 1.42081 5.74930 -3.96832 2.82257 3.70830 -1.98526 -4.16874 -2.32738	F F F F DPP-M N C C C C C C C C C C	-3.15351 1.37588 0.30569 -3.74366 -0.00703 1.87881 -2.14277 -5.04819 -2.93302 -1.66244 0.55829 1.65247 Me ₂ -2.66765 -0.14265 -0.16847 -2.37702 -1.04427 -1.23885 -2.81113 -0.78141 1.05142 -2.62151 -2.11443 0.83926 -2.35011 -2.33130 -0.55787 -2.16116 -3.66439 -0.77014 -2.59401 -3.40139 1.52034 -2.30470 -4.30317 0.44973 -2.21534 -0.70315 -2.39168
C N O O C C C C C C H H H H	-2.26547 -3.54590 -1.04949 -2.65868 -3.47404 1.25861 -2.38537 -4.27468 0.12294 -2.39137 -0.42764 -2.39340 -2.78338 -3.92536 2.38244 -3.24584 -0.19106 2.30768 -3.28957 -0.97743 3.47057 -3.57235 -0.39549 4.69535 -3.81596 0.97140 4.78960 -3.77729 1.75928 3.64392 -3.49604 1.18556 2.41459 -3.48171 1.82091 1.53884 -3.10384 -2.04151 3.40270 -3.60284 -1.01407 5.58293 -4.03637 1.42081 5.74930 -3.96832 2.82257 3.70830 -1.98526 -4.16874 -2.32738	F F F F DPP-M N C C C C C C C C C C	-3.15351 1.37588 0.30569 -3.74366 -0.00703 1.87881 -2.14277 -5.04819 -2.93302 -1.66244 0.55829 1.65247 Me ₂ -2.66765 -0.14265 -0.16847 -2.37702 -1.04427 -1.23885 -2.81113 -0.78141 1.05142 -2.62151 -2.11443 0.83926 -2.35011 -2.33130 -0.55787 -2.16116 -3.66439 -0.77014 -2.59401 -3.40139 1.52034 -2.30470 -4.30317 0.44973 -2.21534 -0.70315 -2.39168 -2.75633 -3.74259 2.67306
C N O O C C C C C C H H H H C C	-2.26547 -3.54590 -1.04949 -2.65868 -3.47404 1.25861 -2.38537 -4.27468 0.12294 -2.39137 -0.42764 -2.39340 -2.78338 -3.92536 2.38244 -3.24584 -0.19106 2.30768 -3.28957 -0.97743 3.47057 -3.57235 -0.39549 4.69535 -3.81596 0.97140 4.78960 -3.77729 1.75928 3.64392 -3.49604 1.18556 2.41459 -3.48171 1.82091 1.53884 -3.10384 -2.04151 3.40270 -3.60284 -1.01407 5.58293 -4.03637 1.42081 5.74930 -3.96832 2.82257 3.70830 -1.98526 -4.16874 -2.32738 -1.80864 -3.36923 -3.46844	F F F F DPP-M N C C C C C C C C C C C C C	-3.15351 1.37588 0.30569 -3.74366 -0.00703 1.87881 -2.14277 -5.04819 -2.93302 -1.66244 0.55829 1.65247 Me2 -2.66765 -0.14265 -0.16847 -2.37702 -1.04427 -1.23885 -2.81113 -0.78141 1.05142 -2.62151 -2.11443 0.83926 -2.35011 -2.33130 -0.55787 -2.16116 -3.66439 -0.77014 -2.59401 -3.40139 1.52034 -2.30470 -4.30317 0.44973 -2.21534 -0.70315 -2.39168 -2.75633 -3.74259 2.67306 -3.11811 -0.03916 2.29762 -1.85474 -4.40670 -2.01646
C N O O C C C C C C C H H H H C C	-2.26547 -3.54590 -1.04949 -2.65868 -3.47404 1.25861 -2.38537 -4.27468 0.12294 -2.39137 -0.42764 -2.39340 -2.78338 -3.92536 2.38244 -3.24584 -0.19106 2.30768 -3.28957 -0.97743 3.47057 -3.57235 -0.39549 4.69535 -3.81596 0.97140 4.78960 -3.77729 1.75928 3.64392 -3.49604 1.18556 2.41459 -3.48171 1.82091 1.53884 -3.10384 -2.04151 3.40270 -3.60284 -1.01407 5.58293 -4.03637 1.42081 5.74930 -3.96832 2.82257 3.70830 -1.98526 -4.16874 -2.32738 -1.80864 -3.36923 -3.46844 -1.88452 -5.56217 -2.45797	F F F F OPP-M N C C C C C C C C C H	-3.15351 1.37588 0.30569 -3.74366 -0.00703 1.87881 -2.14277 -5.04819 -2.93302 -1.66244 0.55829 1.65247 Me2 -2.66765 -0.14265 -0.16847 -2.37702 -1.04427 -1.23885 -2.81113 -0.78141 1.05142 -2.62151 -2.11443 0.83926 -2.35011 -2.33130 -0.55787 -2.16116 -3.66439 -0.77014 -2.59401 -3.40139 1.52034 -2.30470 -4.30317 0.44973 -2.21534 -0.70315 -2.39168 -2.75633 -3.74259 2.67306 -3.11811 -0.03916 2.29762 -1.85474 -4.40670 -2.01646 -2.21712 -5.29453 0.60063
C N O O C C C C C C C C C C C C C C C C	-2.26547 -3.54590 -1.04949 -2.65868 -3.47404 1.25861 -2.38537 -4.27468 0.12294 -2.39137 -0.42764 -2.39340 -2.78338 -3.92536 2.38244 -3.24584 -0.19106 2.30768 -3.28957 -0.97743 3.47057 -3.57235 -0.39549 4.69535 -3.81596 0.97140 4.78960 -3.77729 1.75928 3.64392 -3.49604 1.18556 2.41459 -3.48171 1.82091 1.53884 -3.10384 -2.04151 3.40270 -3.60284 -1.01407 5.58293 -4.03637 1.42081 5.74930 -3.96832 2.82257 3.70830 -1.98526 -4.16874 -2.32738 -1.80864 -3.36923 -3.46844 -1.88452 -5.56217 -2.45797 -1.53570 -3.95427 -4.69405	F F F F DPP-N N C C C C C C C C H H	-3.15351 1.37588 0.30569 -3.74366 -0.00703 1.87881 -2.14277 -5.04819 -2.93302 -1.66244 0.55829 1.65247 Me2 -2.66765 -0.14265 -0.16847 -2.37702 -1.04427 -1.23885 -2.81113 -0.78141 1.05142 -2.62151 -2.11443 0.83926 -2.35011 -2.33130 -0.55787 -2.16116 -3.66439 -0.77014 -2.59401 -3.40139 1.52034 -2.30470 -4.30317 0.44973 -2.21534 -0.70315 -2.39168 -2.75633 -3.74259 2.67306 -3.11811 -0.03916 2.29762 -1.85474 -4.40670 -2.01646 -2.21712 -5.29453 0.60063 -2.75584 0.84864 -0.31948
C N O O C C C C C C C H H H H C C C C C	-2.26547 -3.54590 -1.04949 -2.65868 -3.47404 1.25861 -2.38537 -4.27468 0.12294 -2.39137 -0.42764 -2.39340 -2.78338 -3.92536 2.38244 -3.24584 -0.19106 2.30768 -3.28957 -0.97743 3.47057 -3.57235 -0.39549 4.69535 -3.81596 0.97140 4.78960 -3.77729 1.75928 3.64392 -3.49604 1.18556 2.41459 -3.48171 1.82091 1.53884 -3.10384 -2.04151 3.40270 -3.60284 -1.01407 5.58293 -4.03637 1.42081 5.74930 -3.96832 2.82257 3.70830 -1.98526 -4.16874 -2.32738 -1.80864 -3.36923 -3.46844 -1.88452 -5.56217 -2.45797 -1.53570 -3.95427 -4.69405 -1.43506 -5.33730 -4.81086	F F F F OPP-M N C C C C C C C H H H	-3.15351 1.37588 0.30569 -3.74366 -0.00703 1.87881 -2.14277 -5.04819 -2.93302 -1.66244 0.55829 1.65247 Me2 -2.66765 -0.14265 -0.16847 -2.37702 -1.04427 -1.23885 -2.81113 -0.78141 1.05142 -2.62151 -2.11443 0.83926 -2.35011 -2.33130 -0.55787 -2.16116 -3.66439 -0.77014 -2.59401 -3.40139 1.52034 -2.30470 -4.30317 0.44973 -2.21534 -0.70315 -2.39168 -2.75633 -3.74259 2.67306 -3.11811 -0.03916 2.29762 -1.85474 -4.40670 -2.01646 -2.21712 -5.29453 0.60063 -2.75584 0.84864 -0.31948 -4.06257 0.50439 2.20404
C N O O C C C C C C C C C C C C C C C C	-2.26547 -3.54590 -1.04949 -2.65868 -3.47404 1.25861 -2.38537 -4.27468 0.12294 -2.39137 -0.42764 -2.39340 -2.78338 -3.92536 2.38244 -3.24584 -0.19106 2.30768 -3.28957 -0.97743 3.47057 -3.57235 -0.39549 4.69535 -3.81596 0.97140 4.78960 -3.77729 1.75928 3.64392 -3.49604 1.18556 2.41459 -3.48171 1.82091 1.53884 -3.10384 -2.04151 3.40270 -3.60284 -1.01407 5.58293 -4.03637 1.42081 5.74930 -3.96832 2.82257 3.70830 -1.98526 -4.16874 -2.32738 -1.80864 -3.36923 -3.46844 -1.88452 -5.56217 -2.45797 -1.53570 -3.95427 -4.69405	F F F F DPP-N N C C C C C C C C H H	-3.15351 1.37588 0.30569 -3.74366 -0.00703 1.87881 -2.14277 -5.04819 -2.93302 -1.66244 0.55829 1.65247 Me2 -2.66765 -0.14265 -0.16847 -2.37702 -1.04427 -1.23885 -2.81113 -0.78141 1.05142 -2.62151 -2.11443 0.83926 -2.35011 -2.33130 -0.55787 -2.16116 -3.66439 -0.77014 -2.59401 -3.40139 1.52034 -2.30470 -4.30317 0.44973 -2.21534 -0.70315 -2.39168 -2.75633 -3.74259 2.67306 -3.11811 -0.03916 2.29762 -1.85474 -4.40670 -2.01646 -2.21712 -5.29453 0.60063 -2.75584 0.84864 -0.31948
C N O O C C C C C C C C C C C C C C C C	-2.26547 -3.54590 -1.04949 -2.65868 -3.47404 1.25861 -2.38537 -4.27468 0.12294 -2.39137 -0.42764 -2.39340 -2.78338 -3.92536 2.38244 -3.24584 -0.19106 2.30768 -3.28957 -0.97743 3.47057 -3.57235 -0.39549 4.69535 -3.81596 0.97140 4.78960 -3.77729 1.75928 3.64392 -3.49604 1.18556 2.41459 -3.48171 1.82091 1.53884 -3.10384 -2.04151 3.40270 -3.60284 -1.01407 5.58293 -4.03637 1.42081 5.74930 -3.96832 2.82257 3.70830 -1.98526 -4.16874 -2.32738 -1.80864 -3.36923 -3.46844 -1.88452 -5.56217 -2.45797 -1.53570 -3.95427 -4.69405 -1.43506 -5.33730 -4.81086	F F F F OPP-M N C C C C C C C H H H	-3.15351 1.37588 0.30569 -3.74366 -0.00703 1.87881 -2.14277 -5.04819 -2.93302 -1.66244 0.55829 1.65247 Me2 -2.66765 -0.14265 -0.16847 -2.37702 -1.04427 -1.23885 -2.81113 -0.78141 1.05142 -2.62151 -2.11443 0.83926 -2.35011 -2.33130 -0.55787 -2.16116 -3.66439 -0.77014 -2.59401 -3.40139 1.52034 -2.30470 -4.30317 0.44973 -2.21534 -0.70315 -2.39168 -2.75633 -3.74259 2.67306 -3.11811 -0.03916 2.29762 -1.85474 -4.40670 -2.01646 -2.21712 -5.29453 0.60063 -2.75584 0.84864 -0.31948 -4.06257 0.50439 2.20404
C N O O C C C C C C C C C C C C C C C C	-2.26547 -3.54590 -1.04949 -2.65868 -3.47404 1.25861 -2.38537 -4.27468 0.12294 -2.39137 -0.42764 -2.39340 -2.78338 -3.92536 2.38244 -3.24584 -0.19106 2.30768 -3.28957 -0.97743 3.47057 -3.57235 -0.39549 4.69535 -3.81596 0.97140 4.78960 -3.77729 1.75928 3.64392 -3.49604 1.18556 2.41459 -3.48171 1.82091 1.53884 -3.10384 -2.04151 3.40270 -3.60284 -1.01407 5.58293 -4.03637 1.42081 5.74930 -3.96832 2.82257 3.70830 -1.98526 -4.16874 -2.32738 -1.80864 -3.36923 -3.46844 -1.88452 -5.56217 -2.45797 -1.53570 -3.95427 -4.69405 -1.43506 -5.33730 -4.81086 -1.61248 -6.13879 -3.68795 -2.02771 -6.21031 -1.60346	F F F F OPP-M N C C C C C C H H H H	-3.15351 1.37588 0.30569 -3.74366 -0.00703 1.87881 -2.14277 -5.04819 -2.93302 -1.66244 0.55829 1.65247 Me2 -2.66765 -0.14265 -0.16847 -2.37702 -1.04427 -1.23885 -2.81113 -0.78141 1.05142 -2.62151 -2.11443 0.83926 -2.35011 -2.33130 -0.55787 -2.16116 -3.66439 -0.77014 -2.59401 -3.40139 1.52034 -2.30470 -4.30317 0.44973 -2.21534 -0.70315 -2.39168 -2.75633 -3.74259 2.67306 -3.11811 -0.03916 2.29762 -1.85474 -4.40670 -2.01646 -2.21712 -5.29453 0.60063 -2.75584 0.84864 -0.31948 -4.06257 0.50439 2.20404 -2.33719 0.69486 2.51604 -3.19231 -0.73232 3.13268
C N O O C C C C C C C C C C C C C C C C	-2.26547 -3.54590 -1.04949 -2.65868 -3.47404 1.25861 -2.38537 -4.27468 0.12294 -2.39137 -0.42764 -2.39340 -2.78338 -3.92536 2.38244 -3.24584 -0.19106 2.30768 -3.28957 -0.97743 3.47057 -3.57235 -0.39549 4.69535 -3.81596 0.97140 4.78960 -3.77729 1.75928 3.64392 -3.49604 1.18556 2.41459 -3.48171 1.82091 1.53884 -3.10384 -2.04151 3.40270 -3.60284 -1.01407 5.58293 -4.03637 1.42081 5.74930 -3.96832 2.82257 3.70830 -1.98526 -4.16874 -2.32738 -1.80864 -3.36923 -3.46844 -1.88452 -5.56217 -2.45797 -1.53570 -3.95427 -4.69405 -1.43506 -5.33730 -4.81086 -1.61248 -6.13879 -3.68795 -2.02771 -6.21031 -1.60346 -1.89037 -2.29332 -3.38400	F F F F OPP-M N C C C C C C H H H H H	-3.15351 1.37588 0.30569 -3.74366 -0.00703 1.87881 -2.14277 -5.04819 -2.93302 -1.66244 0.55829 1.65247 Me2 -2.66765 -0.14265 -0.16847 -2.37702 -1.04427 -1.23885 -2.81113 -0.78141 1.05142 -2.62151 -2.11443 0.83926 -2.35011 -2.33130 -0.55787 -2.16116 -3.66439 -0.77014 -2.59401 -3.40139 1.52034 -2.30470 -4.30317 0.44973 -2.21534 -0.70315 -2.39168 -2.75633 -3.74259 2.67306 -3.11811 -0.03916 2.29762 -1.85474 -4.40670 -2.01646 -2.21712 -5.29453 0.60063 -2.75584 0.84864 -0.31948 -4.06257 0.50439 2.20404 -2.33719 0.69486 2.51604 -3.19231 -0.73232 3.13268 -1.78056 -3.71353 -2.85152
C N O O C C C C C C C C C C C C C C C C	-2.26547 -3.54590 -1.04949 -2.65868 -3.47404 1.25861 -2.38537 -4.27468 0.12294 -2.39137 -0.42764 -2.39340 -2.78338 -3.92536 2.38244 -3.24584 -0.19106 2.30768 -3.28957 -0.97743 3.47057 -3.57235 -0.39549 4.69535 -3.81596 0.97140 4.78960 -3.77729 1.75928 3.64392 -3.49604 1.18556 2.41459 -3.48171 1.82091 1.53884 -3.10384 -2.04151 3.40270 -3.60284 -1.01407 5.58293 -4.03637 1.42081 5.74930 -3.96832 2.82257 3.70830 -1.98526 -4.16874 -2.32738 -1.80864 -3.36923 -3.46844 -1.88452 -5.56217 -2.45797 -1.53570 -3.95427 -4.69405 -1.43506 -5.33730 -4.81086 -1.61248 -6.13879 -3.68795 -2.02771 -6.21031 -1.60346 -1.89037 -2.29332 -3.38400 -1.40128 -3.32546 -5.56461	F F F F OPP-M N C C C C C C H H H H H	-3.15351 1.37588 0.30569 -3.74366 -0.00703 1.87881 -2.14277 -5.04819 -2.93302 -1.66244 0.55829 1.65247 Me2 -2.66765 -0.14265 -0.16847 -2.37702 -1.04427 -1.23885 -2.81113 -0.78141 1.05142 -2.62151 -2.11443 0.83926 -2.35011 -2.33130 -0.55787 -2.16116 -3.66439 -0.77014 -2.59401 -3.40139 1.52034 -2.30470 -4.30317 0.44973 -2.21534 -0.70315 -2.39168 -2.75633 -3.74259 2.67306 -3.11811 -0.03916 2.29762 -1.85474 -4.40670 -2.01646 -2.21712 -5.29453 0.60063 -2.75584 0.84864 -0.31948 -4.06257 0.50439 2.20404 -2.33719 0.69486 2.51604 -3.19231 -0.73232 3.13268 -1.78056 -3.71353 -2.85152 -2.63593 -5.14049 -2.23469
C N O O C C C C C C C C C C C C C C C C	-2.26547 -3.54590 -1.04949 -2.65868 -3.47404 1.25861 -2.38537 -4.27468 0.12294 -2.39137 -0.42764 -2.39340 -2.78338 -3.92536 2.38244 -3.24584 -0.19106 2.30768 -3.28957 -0.97743 3.47057 -3.57235 -0.39549 4.69535 -3.81596 0.97140 4.78960 -3.77729 1.75928 3.64392 -3.49604 1.18556 2.41459 -3.48171 1.82091 1.53884 -3.10384 -2.04151 3.40270 -3.60284 -1.01407 5.58293 -4.03637 1.42081 5.74930 -3.96832 2.82257 3.70830 -1.98526 -4.16874 -2.32738 -1.80864 -3.36923 -3.46844 -1.88452 -5.56217 -2.45797 -1.53570 -3.95427 -4.69405 -1.43506 -5.33730 -4.81086 -1.61248 -6.13879 -3.68795 -2.02771 -6.21031 -1.60346 -1.89037 -2.29332 -3.38400	F F F F OPP-M N C C C C C C H H H H H	-3.15351 1.37588 0.30569 -3.74366 -0.00703 1.87881 -2.14277 -5.04819 -2.93302 -1.66244 0.55829 1.65247 Me2 -2.66765 -0.14265 -0.16847 -2.37702 -1.04427 -1.23885 -2.81113 -0.78141 1.05142 -2.62151 -2.11443 0.83926 -2.35011 -2.33130 -0.55787 -2.16116 -3.66439 -0.77014 -2.59401 -3.40139 1.52034 -2.30470 -4.30317 0.44973 -2.21534 -0.70315 -2.39168 -2.75633 -3.74259 2.67306 -3.11811 -0.03916 2.29762 -1.85474 -4.40670 -2.01646 -2.21712 -5.29453 0.60063 -2.75584 0.84864 -0.31948 -4.06257 0.50439 2.20404 -2.33719 0.69486 2.51604 -3.19231 -0.73232 3.13268 -1.78056 -3.71353 -2.85152
C N O O C C C C C C C C C C C C C C C C	-2.26547 -3.54590 -1.04949 -2.65868 -3.47404 1.25861 -2.38537 -4.27468 0.12294 -2.39137 -0.42764 -2.39340 -2.78338 -3.92536 2.38244 -3.24584 -0.19106 2.30768 -3.28957 -0.97743 3.47057 -3.57235 -0.39549 4.69535 -3.81596 0.97140 4.78960 -3.77729 1.75928 3.64392 -3.49604 1.18556 2.41459 -3.48171 1.82091 1.53884 -3.10384 -2.04151 3.40270 -3.60284 -1.01407 5.58293 -4.03637 1.42081 5.74930 -3.96832 2.82257 3.70830 -1.98526 -4.16874 -2.32738 -1.80864 -3.36923 -3.46844 -1.88452 -5.56217 -2.45797 -1.53570 -3.95427 -4.69405 -1.43506 -5.33730 -4.81086 -1.61248 -6.13879 -3.68795 -2.02771 -6.21031 -1.60346 -1.89037 -2.29332 -3.38400 -1.40128 -3.32546 -5.56461	F F F F OPP-M N C C C C C C H H H H H	-3.15351 1.37588 0.30569 -3.74366 -0.00703 1.87881 -2.14277 -5.04819 -2.93302 -1.66244 0.55829 1.65247 Me2 -2.66765 -0.14265 -0.16847 -2.37702 -1.04427 -1.23885 -2.81113 -0.78141 1.05142 -2.62151 -2.11443 0.83926 -2.35011 -2.33130 -0.55787 -2.16116 -3.66439 -0.77014 -2.59401 -3.40139 1.52034 -2.30470 -4.30317 0.44973 -2.21534 -0.70315 -2.39168 -2.75633 -3.74259 2.67306 -3.11811 -0.03916 2.29762 -1.85474 -4.40670 -2.01646 -2.21712 -5.29453 0.60063 -2.75584 0.84864 -0.31948 -4.06257 0.50439 2.20404 -2.33719 0.69486 2.51604 -3.19231 -0.73232 3.13268 -1.78056 -3.71353 -2.85152 -2.63593 -5.14049 -2.23469
C N O O C C C C C H H H H C C C C C H H H H	-2.26547 -3.54590 -1.04949 -2.65868 -3.47404 1.25861 -2.38537 -4.27468 0.12294 -2.39137 -0.42764 -2.39340 -2.78338 -3.92536 2.38244 -3.24584 -0.19106 2.30768 -3.28957 -0.97743 3.47057 -3.57235 -0.39549 4.69535 -3.81596 0.97140 4.78960 -3.77729 1.75928 3.64392 -3.49604 1.18556 2.41459 -3.48171 1.82091 1.53884 -3.10384 -2.04151 3.40270 -3.60284 -1.01407 5.58293 -4.03637 1.42081 5.74930 -3.96832 2.82257 3.70830 -1.98526 -4.16874 -2.32738 -1.80864 -3.36923 -3.46844 -1.88452 -5.56217 -2.45797 -1.53570 -3.95427 -4.69405 -1.43506 -5.33730 -4.81086 -1.61248 -6.13879 -3.68795 -2.02771 -6.21031 -1.60346 -1.89037 -2.29332 -3.38400 -1.40128 -3.32546 -5.56461 -1.22165 -5.78899 -5.77106 -1.53984 -7.21538 -3.77115	F F F F OPP-M N C C C C C C H H H H H H	-3.15351 1.37588 0.30569 -3.74366 -0.00703 1.87881 -2.14277 -5.04819 -2.93302 -1.66244 0.55829 1.65247 Me2 -2.66765 -0.14265 -0.16847 -2.37702 -1.04427 -1.23885 -2.81113 -0.78141 1.05142 -2.62151 -2.11443 0.83926 -2.35011 -2.33130 -0.55787 -2.16116 -3.66439 -0.77014 -2.59401 -3.40139 1.52034 -2.30470 -4.30317 0.44973 -2.21534 -0.70315 -2.39168 -2.75633 -3.74259 2.67306 -3.11811 -0.03916 2.29762 -1.85474 -4.40670 -2.01646 -2.21712 -5.29453 0.60063 -2.75584 0.84864 -0.31948 -4.06257 0.50439 2.20404 -2.33719 0.69486 2.51604 -3.19231 -0.73232 3.13268 -1.78056 -3.71353 -2.85152 -2.63593 -5.14049 -2.23469 -0.91041 -4.95052 -1.92315
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C N O O C C C C C H H H H C C C C C H H H H	-2.26547 -3.54590 -1.04949 -2.65868 -3.47404 1.25861 -2.38537 -4.27468 0.12294 -2.39137 -0.42764 -2.39340 -2.78338 -3.92536 2.38244 -3.24584 -0.19106 2.30768 -3.28957 -0.97743 3.47057 -3.57235 -0.39549 4.69535 -3.81596 0.97140 4.78960 -3.77729 1.75928 3.64392 -3.49604 1.18556 2.41459 -3.48171 1.82091 1.53884 -3.10384 -2.04151 3.40270 -3.60284 -1.01407 5.58293 -4.03637 1.42081 5.74930 -3.96832 2.82257 3.70830 -1.98526 -4.16874 -2.32738 -1.80864 -3.36923 -3.46844 -1.88452 -5.56217 -2.45797 -1.53570 -3.95427 -4.69405 -1.43506 -5.33730 -4.81086 -1.61248 -6.13879 -3.68795 -2.02771 -6.21031 -1.60346 -1.89037 -2.29332 -3.38400 -1.40128 -3.32546 -5.56461 -1.22165 -5.78899 -5.77106 -1.53984 -7.21538 -3.77115	F F F F F N C C C C C C C H H H H H H N	-3.15351 1.37588 0.30569 -3.74366 -0.00703 1.87881 -2.14277 -5.04819 -2.93302 -1.66244 0.55829 1.65247 Me2 -2.66765 -0.14265 -0.16847 -2.37702 -1.04427 -1.23885 -2.81113 -0.78141 1.05142 -2.62151 -2.11443 0.83926 -2.35011 -2.33130 -0.55787 -2.16116 -3.66439 -0.77014 -2.59401 -3.40139 1.52034 -2.30470 -4.30317 0.44973 -2.21534 -0.70315 -2.39168 -2.75633 -3.74259 2.67306 -3.11811 -0.03916 2.29762 -1.85474 -4.40670 -2.01646 -2.21712 -5.29453 0.60063 -2.75584 0.84864 -0.31948 -4.06257 0.50439 2.20404 -2.33719 0.69486 2.51604 -3.19231 -0.73232 3.13268 -1.78056 -3.71353 -2.85152 -2.63593 -5.14049 -2.23469 -0.91041 -4.95052 -1.92315
C N O O C C C C C C C H H H H C C C C C H	-2.26547 -3.54590 -1.04949 -2.65868 -3.47404 1.25861 -2.38537 -4.27468 0.12294 -2.39137 -0.42764 -2.39340 -2.78338 -3.92536 2.38244 -3.24584 -0.19106 2.30768 -3.28957 -0.97743 3.47057 -3.57235 -0.39549 4.69535 -3.81596 0.97140 4.78960 -3.77729 1.75928 3.64392 -3.49604 1.18556 2.41459 -3.48171 1.82091 1.53884 -3.10384 -2.04151 3.40270 -3.60284 -1.01407 5.58293 -4.03637 1.42081 5.74930 -3.96832 2.82257 3.70830 -1.98526 -4.16874 -2.32738 -1.80864 -3.36923 -3.46844 -1.88452 -5.56217 -2.45797 -1.53570 -3.95427 -4.69405 -1.43506 -5.33730 -4.81086 -1.61248 -6.13879 -3.68795 -2.02771 -6.21031 -1.60346 -1.89037 -2.29332 -3.38400 -1.40128 -3.32546 -5.56461 -1.22165 -5.78899 -5.77106 -1.53984 -7.21538 -3.77115 -2.24896 -5.26608 0.21357 -2.91434 0.91514 -0.22225	F F F F F OPP-N N C C C C C C C N O C C H H H H H H C C C N C C C C C C C C	-3.15351 1.37588 0.30569 -3.74366 -0.00703 1.87881 -2.14277 -5.04819 -2.93302 -1.66244 0.55829 1.65247 Me2 -2.66765 -0.14265 -0.16847 -2.37702 -1.04427 -1.23885 -2.81113 -0.78141 1.05142 -2.62151 -2.11443 0.83926 -2.35011 -2.33130 -0.55787 -2.16116 -3.66439 -0.77014 -2.59401 -3.40139 1.52034 -2.30470 -4.30317 0.44973 -2.21534 -0.70315 -2.39168 -2.75633 -3.74259 2.67306 -3.11811 -0.03916 2.29762 -1.85474 -4.40670 -2.01646 -2.21712 -5.29453 0.60063 -2.75584 0.84864 -0.31948 -4.06257 0.50439 2.20404 -2.33719 0.69486 2.51604 -3.19231 -0.73232 3.13268 -1.78056 -3.71353 -2.85152 -2.63593 -5.14049 -2.23469 -0.91041 -4.95052 -1.92315
C N O O C C C C C C H H H H C C C C C H H H H	-2.26547 -3.54590 -1.04949 -2.65868 -3.47404 1.25861 -2.38537 -4.27468 0.12294 -2.39137 -0.42764 -2.39340 -2.78338 -3.92536 2.38244 -3.24584 -0.19106 2.30768 -3.28957 -0.97743 3.47057 -3.57235 -0.39549 4.69535 -3.81596 0.97140 4.78960 -3.77729 1.75928 3.64392 -3.49604 1.18556 2.41459 -3.48171 1.82091 1.53884 -3.10384 -2.04151 3.40270 -3.60284 -1.01407 5.58293 -4.03637 1.42081 5.74930 -3.96832 2.82257 3.70830 -1.98526 -4.16874 -2.32738 -1.80864 -3.36923 -3.46844 -1.88452 -5.56217 -2.45797 -1.53570 -3.95427 -4.69405 -1.43506 -5.33730 -4.81086 -1.61248 -6.13879 -3.68795 -2.02771 -6.21031 -1.60346 -1.89037 -2.29332 -3.38400 -1.40128 -3.32546 -5.56461 -1.22165 -5.78899 -5.77106 -1.53984 -7.21538 -3.77115 -2.24896 -5.26608 0.21357 -2.91434 0.91514 -0.22225	F F F F F N C C C C C C C H H H H H H N	-3.15351 1.37588 0.30569 -3.74366 -0.00703 1.87881 -2.14277 -5.04819 -2.93302 -1.66244 0.55829 1.65247 Me2 -2.66765 -0.14265 -0.16847 -2.37702 -1.04427 -1.23885 -2.81113 -0.78141 1.05142 -2.62151 -2.11443 0.83926 -2.35011 -2.33130 -0.55787 -2.16116 -3.66439 -0.77014 -2.59401 -3.40139 1.52034 -2.30470 -4.30317 0.44973 -2.21534 -0.70315 -2.39168 -2.75633 -3.74259 2.67306 -3.11811 -0.03916 2.29762 -1.85474 -4.40670 -2.01646 -2.21712 -5.29453 0.60063 -2.75584 0.84864 -0.31948 -4.06257 0.50439 2.20404 -2.33719 0.69486 2.51604 -3.19231 -0.73232 3.13268 -1.78056 -3.71353 -2.85152 -2.63593 -5.14049 -2.23469 -0.91041 -4.95052 -1.92315
C N O O C C C C C C C C C C C C C C C C	-2.26547 -3.54590 -1.04949 -2.65868 -3.47404 1.25861 -2.38537 -4.27468 0.12294 -2.39137 -0.42764 -2.39340 -2.78338 -3.92536 2.38244 -3.24584 -0.19106 2.30768 -3.28957 -0.97743 3.47057 -3.57235 -0.39549 4.69535 -3.81596 0.97140 4.78960 -3.77729 1.75928 3.64392 -3.49604 1.18556 2.41459 -3.48171 1.82091 1.53884 -3.10384 -2.04151 3.40270 -3.60284 -1.01407 5.58293 -4.03637 1.42081 5.74930 -3.96832 2.82257 3.70830 -1.98526 -4.16874 -2.32738 -1.80864 -3.36923 -3.46844 -1.88452 -5.56217 -2.45797 -1.53570 -3.95427 -4.69405 -1.43506 -5.33730 -4.81086 -1.61248 -6.13879 -3.68795 -2.02771 -6.21031 -1.60346 -1.89037 -2.29332 -3.38400 -1.40128 -3.32546 -5.56461 -1.22165 -5.78899 -5.77106 -1.53984 -7.21538 -3.77115 -2.24896 -5.26608 0.21357 -2.91434 0.91514 -0.22225	F F F F F OPP-N N C C C C C C N O C C H H H H H C C C C C C C C C C C C	-3.15351 1.37588 0.30569 -3.74366 -0.00703 1.87881 -2.14277 -5.04819 -2.93302 -1.66244 0.55829 1.65247 Me2 -2.66765 -0.14265 -0.16847 -2.37702 -1.04427 -1.23885 -2.81113 -0.78141 1.05142 -2.62151 -2.11443 0.83926 -2.35011 -2.33130 -0.55787 -2.16116 -3.66439 -0.77014 -2.59401 -3.40139 1.52034 -2.30470 -4.30317 0.44973 -2.21534 -0.70315 -2.39168 -2.75633 -3.74259 2.67306 -3.11811 -0.03916 2.29762 -1.85474 -4.40670 -2.01646 -2.21712 -5.29453 0.60063 -2.75584 0.84864 -0.31948 -4.06257 0.50439 2.20404 -2.33719 0.69486 2.51604 -3.19231 -0.73232 3.13268 -1.78056 -3.71353 -2.85152 -2.63593 -5.14049 -2.23469 -0.91041 -4.95052 -1.92315
C N O O C C C C C C C H H H H C C C C C H	-2.26547 -3.54590 -1.04949 -2.65868 -3.47404 1.25861 -2.38537 -4.27468 0.12294 -2.39137 -0.42764 -2.39340 -2.78338 -3.92536 2.38244 -3.24584 -0.19106 2.30768 -3.28957 -0.97743 3.47057 -3.57235 -0.39549 4.69535 -3.81596 0.97140 4.78960 -3.77729 1.75928 3.64392 -3.49604 1.18556 2.41459 -3.48171 1.82091 1.53884 -3.10384 -2.04151 3.40270 -3.60284 -1.01407 5.58293 -4.03637 1.42081 5.74930 -3.96832 2.82257 3.70830 -1.98526 -4.16874 -2.32738 -1.80864 -3.36923 -3.46844 -1.88452 -5.56217 -2.45797 -1.53570 -3.95427 -4.69405 -1.43506 -5.33730 -4.81086 -1.61248 -6.13879 -3.68795 -2.02771 -6.21031 -1.60346 -1.89037 -2.29332 -3.38400 -1.40128 -3.32546 -5.56461 -1.22165 -5.78899 -5.77106 -1.53984 -7.21538 -3.77115 -2.24896 -5.26608 0.21357 -2.91434 0.91514 -0.22225	F F F F F OPP-N N C C C C C C C N O C C H H H H H H C C C N C C C C C C C C	-3.15351 1.37588 0.30569 -3.74366 -0.00703 1.87881 -2.14277 -5.04819 -2.93302 -1.66244 0.55829 1.65247 Me2 -2.66765 -0.14265 -0.16847 -2.37702 -1.04427 -1.23885 -2.81113 -0.78141 1.05142 -2.62151 -2.11443 0.83926 -2.35011 -2.33130 -0.55787 -2.16116 -3.66439 -0.77014 -2.59401 -3.40139 1.52034 -2.30470 -4.30317 0.44973 -2.21534 -0.70315 -2.39168 -2.75633 -3.74259 2.67306 -3.11811 -0.03916 2.29762 -1.85474 -4.40670 -2.01646 -2.21712 -5.29453 0.60063 -2.75584 0.84864 -0.31948 -4.06257 0.50439 2.20404 -2.33719 0.69486 2.51604 -3.19231 -0.73232 3.13268 -1.78056 -3.71353 -2.85152 -2.63593 -5.14049 -2.23469 -0.91041 -4.95052 -1.92315

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\mathbf{C}
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                                                                     -3.33406 0.45088 3.24667
\mathbf{C}
         -2.44343 -3.26159 1.30991
                                                                     -1.63868 -4.88802 -2.97526
Ν
         -2.08258 -4.40983 0.54199
O
         -1.87288 -1.70430 -3.16731
                                                           DPP-(COMe)2
O
         -2.67115 -3.26874 2.49596
                                                                     -2.46787 -0.48340 -0.98837
\mathbf{C}
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                                                           C
                                                                     -2.21475 -1.54636 -1.88841
C
        -1.49980 -5.13246 -1.79397
                                                           C
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Н
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C	-0.51809 -4.58032 -3.02007	Н	-2.03848 -5.30890 0.54467
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H H		DDD //) M ()
		DPP-(C	
Н	$\sqrt{H_2}$	DPP-(C N	
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Н DPP-(N N	-2.90438 -0.16046 -0.20001	N C	-2.92746 0.23582 -0.32221 -2.53046 -0.43334 -1.51773
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H DPP-(N N C C	-2.90438 -0.16046 -0.20001	N C C C	-2.92746 0.23582 -0.32221 -2.53046 -0.43334 -1.51773
H DPP-(N N C	-2.90438 -0.16046 -0.20001 -2.63549 -1.07680 -1.27898	N C C	-2.92746 0.23582 -0.32221 -2.53046 -0.43334 -1.51773 -2.67756 -0.50640 0.80837
H DPP-(N N C C C	-2.90438 -0.16046 -0.20001 -2.63549 -1.07680 -1.27898 -2.88575 -0.78129 1.03368 -2.64663 -2.11656 0.82890	N C C C	-2.92746 0.23582 -0.32221 -2.53046 -0.43334 -1.51773 -2.67756 -0.50640 0.80837 -2.11043 -1.70054 0.44130 -2.00448 -1.68782 -1.01395
H DPP-(N N C C	-2.90438 -0.16046 -0.20001 -2.63549 -1.07680 -1.27898 -2.88575 -0.78129 1.03368	N C C C	-2.92746 0.23582 -0.32221 -2.53046 -0.43334 -1.51773 -2.67756 -0.50640 0.80837 -2.11043 -1.70054 0.44130

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R-H R-Br R
$$\stackrel{}{\longrightarrow}$$
 R $\stackrel{}{\longrightarrow}$ CH R $\stackrel{}{\longrightarrow}$ F $\stackrel{}{\longrightarrow}$ R-CH $\stackrel{}{\longrightarrow}$ R $\stackrel{}{\longrightarrow}$ CH $\stackrel{}{\longrightarrow}$ R $\stackrel{}{\longrightarrow}$ R $\stackrel{}{\longrightarrow}$ R $\stackrel{}{\longrightarrow}$ CH $\stackrel{}{\longrightarrow}$ R $\stackrel{}{\longrightarrow}$ CH $\stackrel{}{\longrightarrow}$ CH $\stackrel{}{\longrightarrow}$ R $\stackrel{}{\longrightarrow}$ CH $\stackrel{}{\longrightarrow}$

Figure S1. Structures of the substituent groups bonded to the DPP core. The letter "R" represents the bond site with the DPP core.

Excitonic and intramolecular charge transfer (ICT) analysis between molecular fragments

Table S3. Charge transfer numbers for the DPP- X_1 derivatives. Calculations at the CAM-B3LYP/Def2-TZVP/B3LYP-D3/Def2-TZVP level.

-X	ΔE	f	Ω	POS	PR	CT	СОН	CT_{nt}	PR_{NTO}	Z_{HE}	RMS_{eh}
<u>-</u> Н	3.56	0.26	1.03	2.00	1.02	0.02	1.02	0.00	1.06	1.19	2.75
–Br	3.54	0.27	1.03	2.05	1.12	0.10	1.12	0.01	1.06	1.19	2.87
–Ph	3.17	0.31	1.02	2.18	1.43	0.28	1.39	0.12	1.05	1.17	3.42
–CCH	3.24	0.28	1.03	2.12	1.30	0.22	1.27	0.10	1.06	1.17	3.13
$-CF_3$	3.46	0.24	1.03	2.04	1.10	0.09	1.10	0.04	1.06	1.17	2.87
–Me	3.60	0.27	1.03	2.04	1.10	0.09	1.09	0.03	1.06	1.19	2.84
$-CHF_2$	3.47	0.25	1.03	2.05	1.12	0.10	1.11	0.05	1.06	1.17	2.88
–CHO	3.04	0.24	1.03	2.14	1.35	0.27	1.30	0.19	1.05	1.14	3.14
–Cl	3.57	0.27	1.03	2.04	1.11	0.10	1.11	0.01	1.06	1.18	2.85
–CN	3.22	0.25	1.03	2.10	1.24	0.19	1.22	0.10	1.05	1.15	3.07
-COMe	3.12	0.23	1.03	2.12	1.30	0.24	1.26	0.17	1.05	1.15	3.10
-COOMe	3.17	0.24	1.03	2.10	1.26	0.20	1.23	0.13	1.05	1.15	3.06
-COOH	3.25	0.22	1.03	2.09	1.22	0.18	1.20	0.12	1.06	1.17	2.98
–F	3.76	0.27	1.03	2.02	1.06	0.06	1.06	0.01	1.07	1.20	2.79
$-NMe_2$	3.57	0.26	1.02	2.10	1.24	0.18	1.23	0.01	1.05	1.16	3.01
$-NH_2$	3.68	0.26	1.02	2.06	1.15	0.13	1.15	0.01	1.05	1.17	2.88
–NHMe	3.59	0.28	1.02	2.08	1.19	0.16	1.19	0.01	1.05	1.16	2.97
$-NO_2$	2.94	0.20	1.03	2.18	1.45	0.34	1.36	0.28	1.05	1.14	3.22
–OMe	3.71	0.24	1.02	2.05	1.13	0.11	1.13	0.02	1.06	1.18	2.85
–OH	3.75	0.26	1.02	2.04	1.10	0.09	1.10	0.01	1.06	1.18	2.83
$-SO_2Me$	3.36	0.23	1.03	2.05	1.12	0.10	1.11	0.05	1.06	1.18	2.92

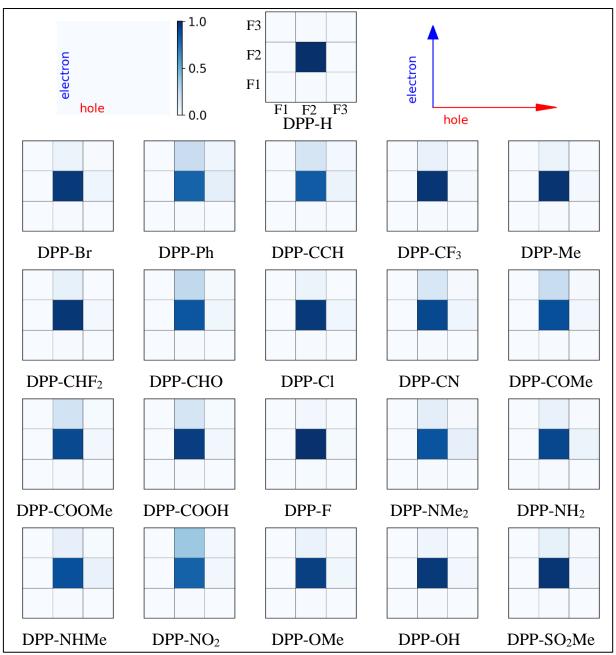


Figure S2. Transition density matrices (TDMs) of the DPP- X_1 derivatives obtained from the TheoDORE software.

 $\begin{table}{ll} \textbf{Table S4.} Charge transfer calculations for the DPP-X_2 derivatives. Calculations at the CAM-B3LYP/Def2-TZVP/B3LYP-D3/Def2-TZVP level. \\ \end{table}$

-X	ΔE	f	Ω	POS	PR	CT	СОН	CT_{nt}	PR _{NTO}	Z_{HE}	RMS_{eh}
–H	3.56	0.26	1.03	2.00	1.02	0.02	1.02	0.00	1.06	1.19	2.75
–Br	3.52	0.30	1.02	2.00	1.23	0.18	1.23	0.00	1.06	1.19	3.00
–Ph	2.84	0.55	1.02	2.00	1.87	0.43	1.79	0.00	1.05	1.17	4.00
–CCH	2.99	0.37	1.03	2.00	1.61	0.36	1.54	0.00	1.05	1.16	3.47
$-CF_3$	3.38	0.25	1.03	2.00	1.19	0.15	1.17	0.00	1.06	1.17	2.97
–Me	3.64	0.29	1.02	2.00	1.18	0.15	1.17	0.00	1.06	1.19	2.94
$-CHF_2$	3.42	0.26	1.03	2.00	1.22	0.17	1.20	0.00	1.06	1.17	2.99
–CHO	2.76	0.28	1.03	2.00	1.64	0.39	1.51	0.00	1.04	1.12	3.38
–Cl	3.57	0.29	1.03	2.00	1.21	0.17	1.21	0.00	1.06	1.18	2.96
–CN	3.01	0.29	1.03	2.00	1.46	0.31	1.41	0.00	1.05	1.15	3.32
-COMe	2.88	0.26	1.03	2.00	1.54	0.34	1.44	0.00	1.05	1.14	3.31
-COOMe	2.92	0.26	1.03	2.00	1.47	0.31	1.39	0.00	1.05	1.14	3.27
-COOH	3.07	0.23	1.03	2.00	1.39	0.27	1.34	0.00	1.05	1.16	3.16
–F	3.97	0.29	1.02	2.00	1.11	0.10	1.11	0.00	1.07	1.20	2.83
$-NMe_2$	3.54	0.38	1.02	2.00	1.55	0.34	1.52	0.00	1.05	1.18	3.21
$-NH_2$	3.79	0.32	1.02	2.00	1.33	0.24	1.32	0.00	1.06	1.19	2.97
-NHMe	3.65	0.41	1.02	2.00	1.44	0.29	1.42	0.00	1.06	1.18	3.13
$-NO_2$	2.73	0.24	1.03	2.00	1.72	0.42	1.53	0.00	1.04	1.12	3.38
–OMe	3.84	0.25	1.02	2.00	1.27	0.20	1.26	0.00	1.06	1.20	2.93
–OH	3.94	0.29	1.02	2.00	1.20	0.16	1.20	0.00	1.07	1.20	2.88
$-SO_2Me$	3.22	0.24	1.03	2.00	1.22	0.17	1.20	0.00	1.06	1.18	3.06

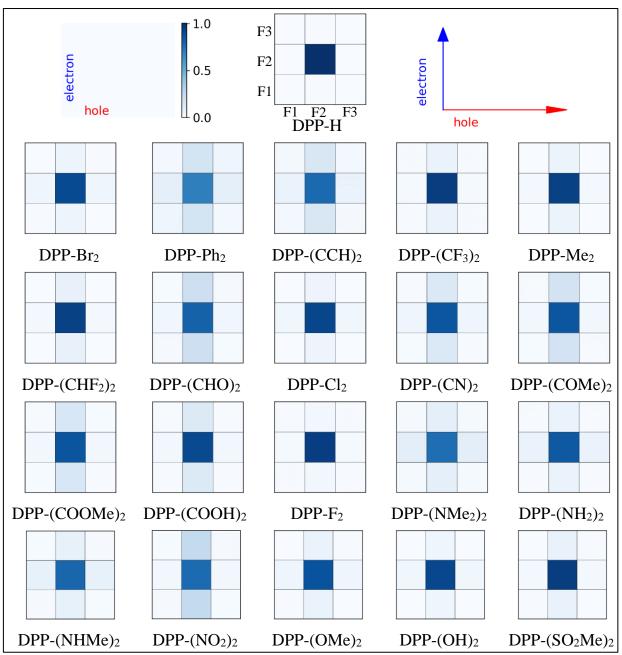


Figure S3. Transition density matrices (TDMs) of the DPP-X₂ derivatives obtained from the TheoDORE software.

-X	ΔE	f	Ω	POS	PR	CT	СОН	CT_{nt}	PR_{NTO}	Z_{HE}	RMS_{eh}
<u>-</u> Н	3.36	0.29	0.96	2.00	1.02	0.02	1.02	0.00	1.00	1.04	2.71
–Br	3.34	0.30	0.96	2.07	1.16	0.14	1.16	-0.01	1.03	1.12	2.92
–Ph	2.94	0.31	0.96	2.19	1.47	0.35	1.42	0.23	1.00	1.05	3.60
–CCH	3.09	0.29	0.95	2.13	1.32	0.25	1.29	0.16	1.00	1.05	3.16
$-CF_3$	3.25	0.27	0.96	2.05	1.11	0.10	1.11	0.06	1.00	1.04	2.85
–Me	3.39	0.30	0.95	2.05	1.12	0.11	1.11	0.05	1.00	1.05	2.81
$-CHF_2$	3.27	0.27	0.95	2.05	1.13	0.11	1.12	0.06	1.00	1.05	2.85
–CHO	2.89	0.26	0.96	2.13	1.33	0.26	1.28	0.20	1.00	1.04	3.08
–Cl	3.37	0.30	0.96	2.04	1.09	0.09	1.09	0.04	1.03	1.11	2.81
–CN	3.06	0.27	0.95	2.10	1.24	0.20	1.22	0.14	1.00	1.05	2.99
-COMe	2.94	0.25	0.96	2.12	1.30	0.24	1.25	0.18	1.00	1.04	3.06
-COOMe	2.99	0.25	0.95	2.10	1.25	0.21	1.23	0.14	1.00	1.05	3.01
-COOH	3.06	0.24	0.96	2.10	1.23	0.19	1.21	0.13	1.02	1.10	2.96
–F	3.58	0.32	0.95	2.01	1.05	0.04	1.05	0.01	1.00	1.05	2.71
$-NMe_2$	3.26	0.29	0.95	2.09	1.22	0.18	1.22	0.03	1.00	1.05	3.00
$-NH_2$	3.41	0.29	0.96	2.06	1.14	0.13	1.14	0.02	1.01	1.09	2.85
-NHMe	3.30	0.31	0.95	2.08	1.19	0.16	1.19	0.02	1.00	1.05	2.94
$-NO_2$	2.85	0.23	0.96	2.16	1.40	0.31	1.33	0.25	1.00	1.04	3.17
–OMe	3.48	0.27	0.95	2.04	1.10	0.09	1.10	0.03	1.00	1.05	2.79
–OH	3.52	0.30	0.95	2.03	1.08	0.07	1.08	0.02	1.00	1.05	2.77
$-SO_2Me$	3.12	0.25	0.96	2.06	1.14	0.13	1.14	0.05	1.02	1.11	2.94

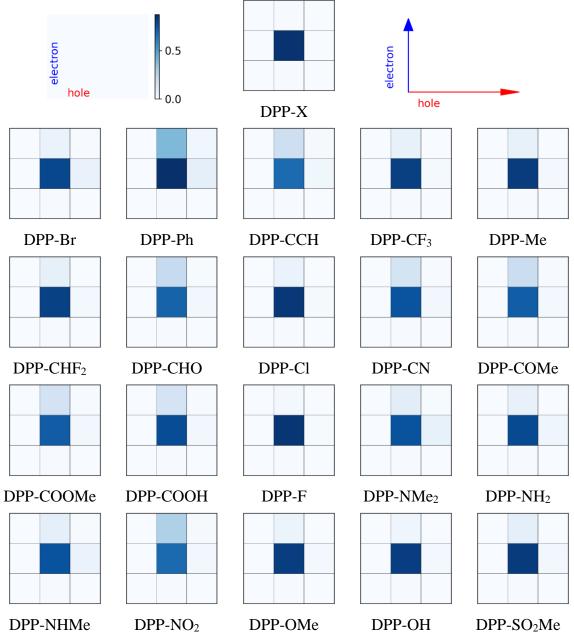


Figure S4. Transition density matrices (TDMs) of the ADC(2)-DPP- X_1 derivatives obtained from the TheoDORE software.

 $\begin{table linear length T able S6. Charge transfer calculations for the DPP-X_2 derivatives. Calculations at the ADC(2)/Def2-TZVP/B3LYP-D3/Def2-TZVP level. \end{table}$

-X	ΔE	f	Ω	POS	PR	CT	СОН	CT_{nt}	PR _{NTO}	Z_{HE}	RMS_{eh}
–H	3.36	0.29	0.96	2.00	1.02	0.02	1.02	0.00	1.00	1.04	2.71
–Br	3.31	0.32	0.96	2.00	1.25	0.20	1.25	0.00	1.00	1.04	3.01
–Ph	2.65	0.51	0.95	2.00	1.96	0.51	1.81	0.00	1.00	1.05	4.24
–CCH	2.86	0.35	0.96	2.00	1.66	0.40	1.55	0.00	1.00	1.04	3.45
$-CF_3$	3.17	0.27	0.96	2.00	1.22	0.18	1.20	0.00	1.00	1.04	2.97
-Me	3.42	0.31	0.96	2.00	1.23	0.19	1.22	0.00	1.00	1.04	2.95
$-CHF_2$	3.22	0.27	0.96	2.00	1.24	0.19	1.22	0.00	1.00	1.04	2.99
–CHO	2.64	0.29	0.97	2.00	1.61	0.38	1.47	0.00	1.00	1.04	3.29
–Cl	3.38	0.32	0.96	2.00	1.19	0.16	1.19	0.00	1.00	1.05	2.87
–CN	2.88	0.30	0.95	2.00	1.49	0.33	1.41	0.00	1.00	1.05	3.21
-COMe	2.71	0.26	0.96	2.00	1.54	0.35	1.43	0.00	1.00	1.04	3.25
-COOMe	2.75	0.26	0.95	2.00	1.48	0.32	1.39	0.00	1.00	1.05	3.22
-COOH	2.89	0.24	0.96	2.00	1.41	0.29	1.34	0.00	1.00	1.04	3.14
–F	3.80	0.35	0.96	2.00	1.08	0.08	1.08	0.00	1.00	1.04	2.75
$-NMe_2$	3.17	0.39	0.95	2.00	1.49	0.33	1.49	0.00	1.00	1.05	3.18
$-NH_2$	3.52	0.37	0.95	2.00	1.31	0.24	1.31	0.00	1.00	1.05	2.85
-NHMe	3.32	0.43	0.95	2.00	1.47	0.32	1.46	0.00	1.00	1.05	3.17
$-NO_2$	2.72	0.25	0.96	2.00	1.64	0.40	1.47	0.00	1.00	1.04	3.33
-OMe	3.58	0.28	0.96	2.00	1.25	0.20	1.25	0.00	1.00	1.04	2.87
–OH	3.69	0.34	0.96	2.00	1.15	0.13	1.15	0.00	1.00	1.04	2.76
$-SO_2Me$	2.95	0.24	0.96	2.00	1.28	0.22	1.27	0.00	1.02	1.11	3.13

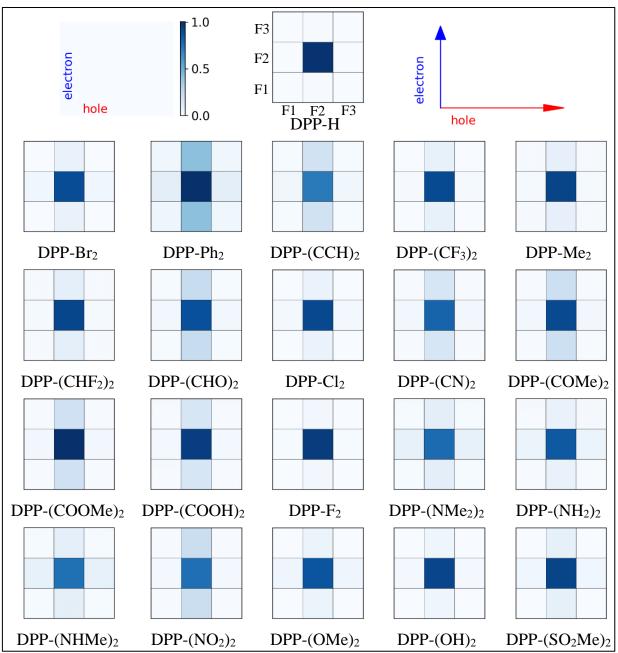
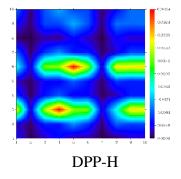
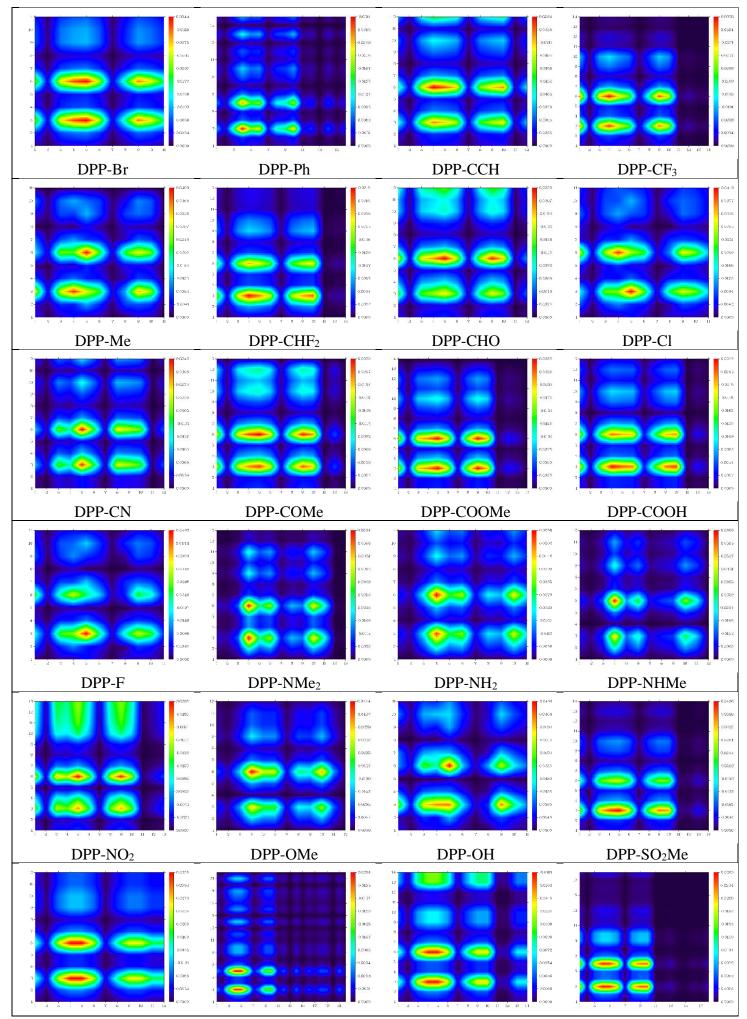


Figure S5. Transition density matrices (TDMs) of the ADC(2)-DPP-X₂ derivatives obtained from the TheoDORE software.

Transition Density Matrix (TDM) analysis





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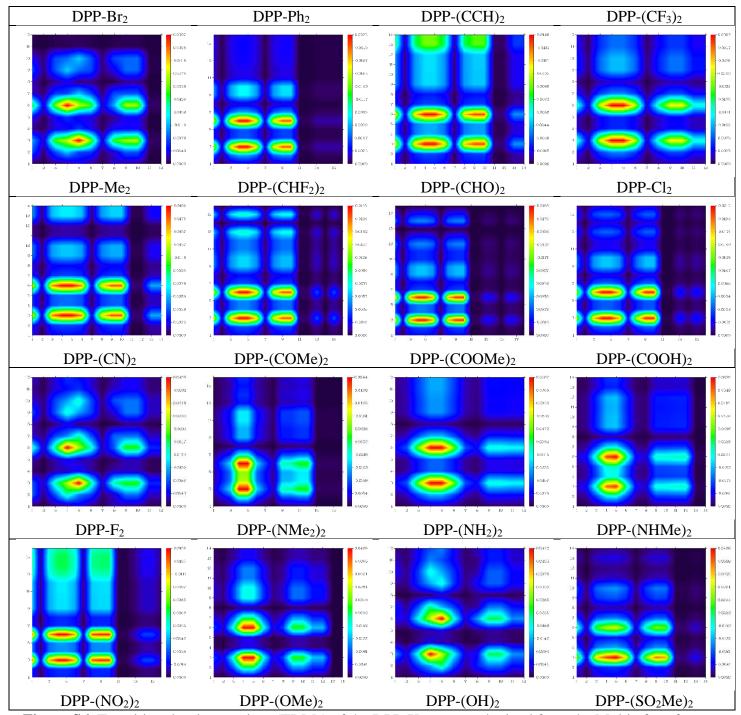
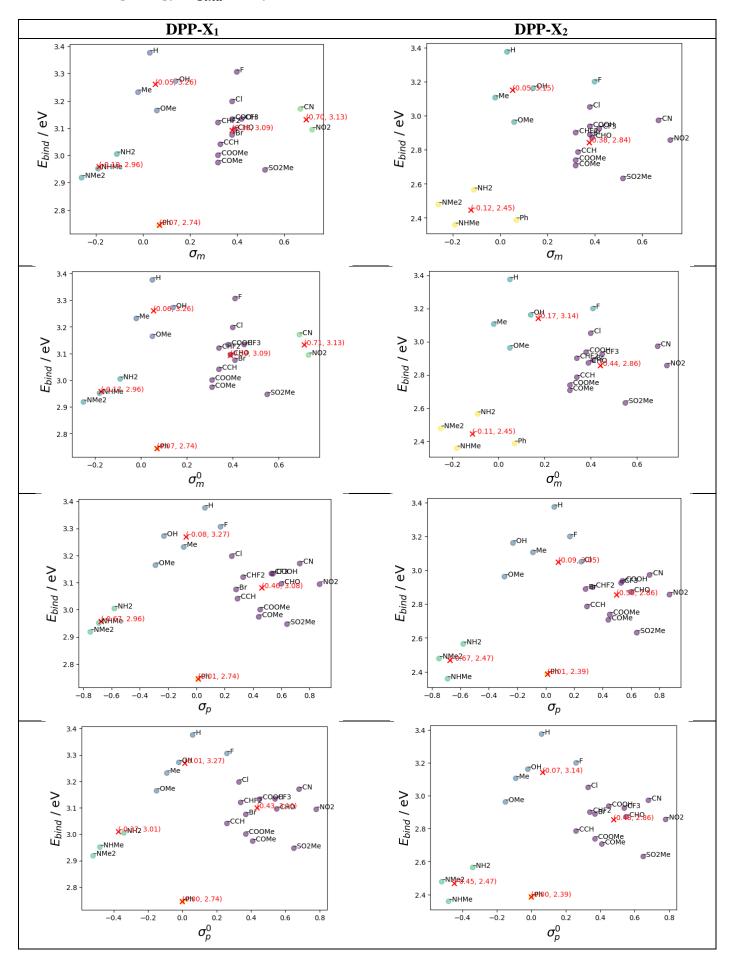


Figure S6. Transition density matrices (TDMs) of the DPP-X systems obtained from the Multiwfn software.



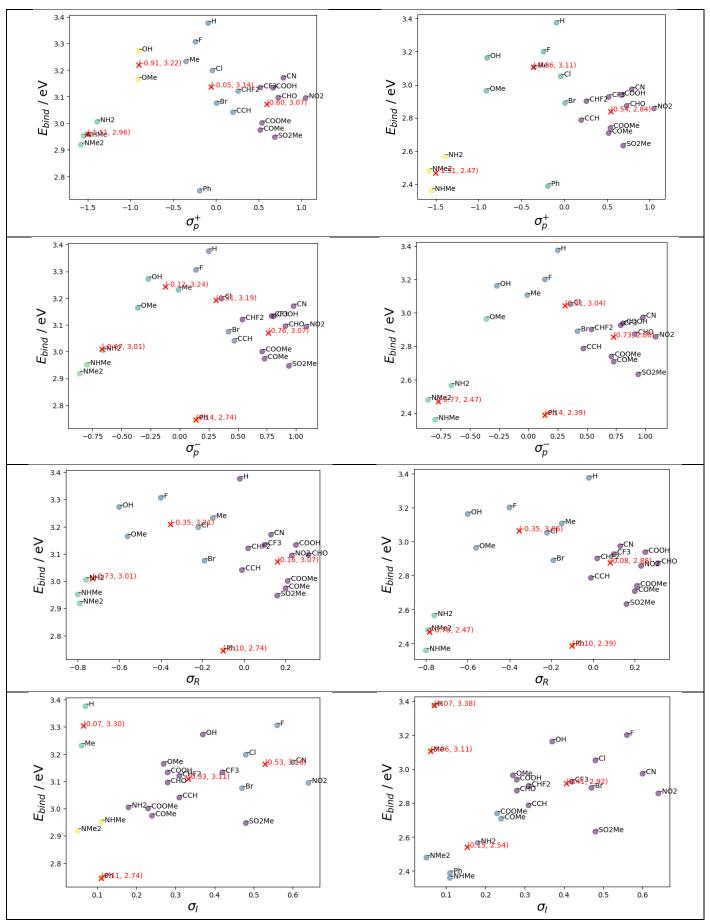
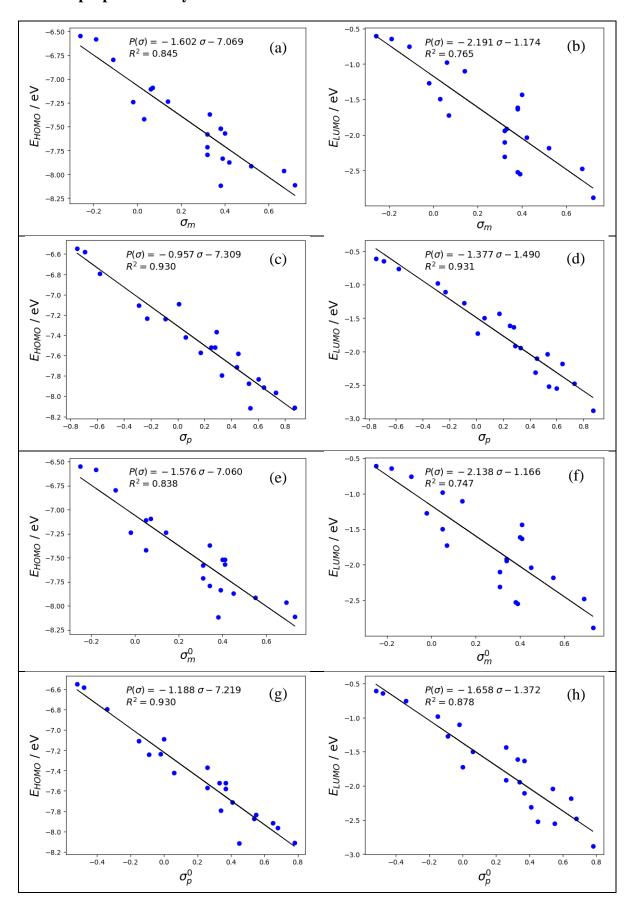


Figure S7. Binding energies (E_{bind}), in eV, by ML-based Hammett's constants for all DPP-X systems. Calculations at the CAM-B3LYP/Def2-TZVP//B3LYP-D3/Def2-TZVP level. ML analysis with the *MeanShift* algorithm.

Table S7. Exciton binding energy (E_{bind}), in eV, of all DPP-X systems. Calculations at the CAM-B3LYP/Def2-TZVP//B3LYP-D3/Def2-TZVP level.

-X	$E_{bind}(\text{DPP-X}_1)$	$E_{bind}(\text{DPP-X}_2)$
_H	3.38	3.38
–Br	3.07	2.89
–Ph	2.74	2.39
–CCH	3.04	2.79
-CF ₃	3.13	2.93
–Me	3.23	3.11
-CHF ₂	3.12	2.90
–СНО	3.10	2.87
–Cl	3.20	3.05
–CN	3.17	2.97
–COMe	2.97	2.71
–COOMe	3.00	2.74
–COOH	3.13	2.94
_F	3.31	3.20
$-NMe_2$	2.92	2.48
$-NH_2$	3.00	2.56
–NHMe	2.95	2.36
$-NO_2$	3.09	2.86
–OMe	3.16	2.96
–OH	3.27	3.16
$-SO_2Me$	2.95	2.63

Photoelectronic properties analysis



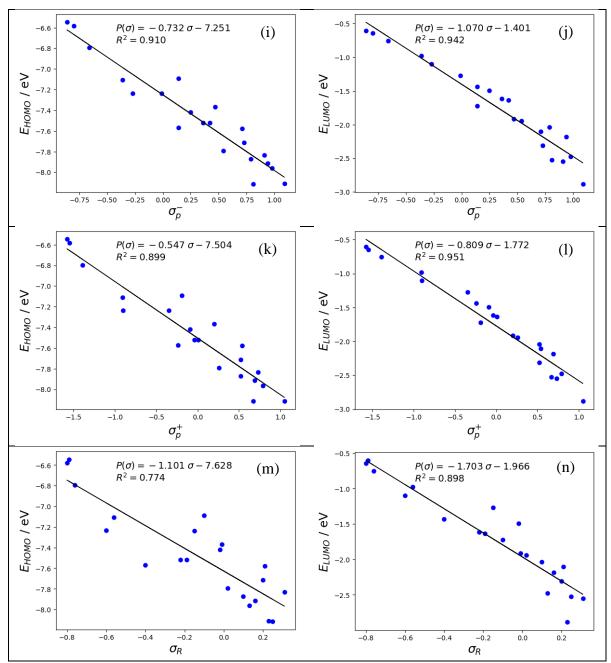
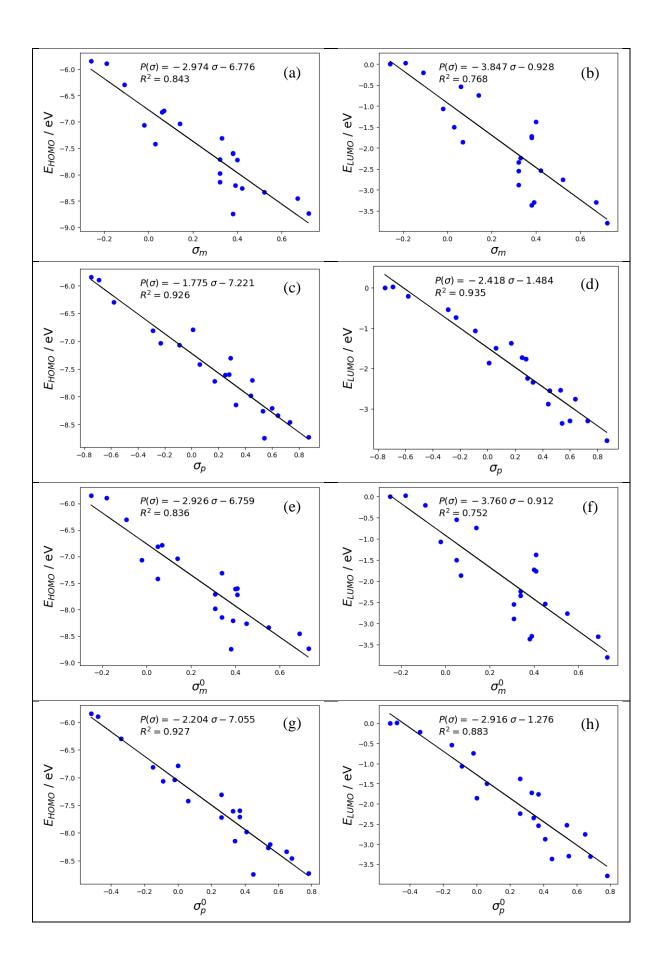


Figure S8. Correlation between ML-based Hammett's constants and DFT FMO energies (E_{HOMO} – right panels and E_{LUMO} – left panels) of the DPP-X₁ derivatives.



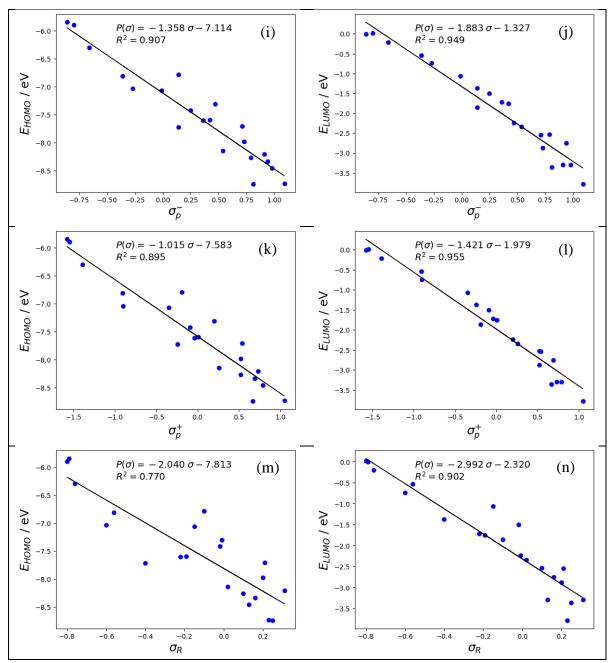


Figure S9. Correlation between ML-based Hammett's constants and DFT FMO energies (E_{HOMO} – right panels and E_{LUMO} – left panels) of the DPP-X₂ derivatives.

Table S8. HOMO and LUMO energies (E_{HOMO} and E_{LUMO}) and HOMO-LUMO gap (E_g), in eV, of all DPP-X systems. Calculations at the CAM-B3LYP/Def2-TZVP//B3LYP-D3/Def2-TZVP level.

		DPP-X ₁			DPP-X ₂	
-X	E_{HOMO}	E_{LUMO}	E_g	E_{HOMO}	E_{LUMO}	E_g
-H	-7.42	-1.50	5.92	-7.42	-1.50	5.92
–Br	-7.52	-1.63	5.89	-7.60	-1.76	5.84
–Ph	-7.09	-1.72	5.37	-6.79	-1.86	4.93
–CCH	-7.37	-1.92	5.45	-7.31	-2.24	5.07
$-CF_3$	-7.87	-2.04	5.83	-8.26	-2.53	5.73
-Me	-7.24	-1.27	5.97	-7.07	-1.06	6.00
$-CHF_2$	-7.79	-1.94	5.85	-8.14	-2.34	5.80
-CHO	-7.83	-2.55	5.28	-8.21	-3.30	4.91
–Cl	-7.52	-1.61	5.91	-7.61	-1.72	5.89
–CN	-7.96	-2.48	5.49	-8.46	-3.30	5.16
-COMe	-7.71	-2.31	5.40	-7.98	-2.88	5.10
-COOMe	-7.58	-2.10	5.48	-7.71	-2.54	5.17
-COOH	-8.12	-2.52	5.59	-8.74	-3.36	5.38
–F	-7.57	-1.43	6.14	-7.72	-1.37	6.35
$-NMe_2$	-6.55	-0.61	5.94	-5.85	0.00	5.84
$-NH_2$	-6.80	-0.76	6.04	-6.30	-0.21	6.09
-NHMe	-6.58	-0.64	5.94	-5.90	0.02	5.92
$-NO_2$	-8.11	-2.89	5.23	-8.73	-3.79	4.95
-OMe	-7.11	-0.98	6.13	-6.81	-0.54	6.27
–OH	-7.24	-1.10	6.13	-7.04	-0.74	6.30
–SO ₂ Me	-7.91	-2.18	5.73	-8.33	-2.75	5.58

Table S9. HOMO and LUMO energies (E_{HOMO} and E_{LUMO}) and HOMO-LUMO gap (E_g), in eV, of all DPP-X systems. Calculations at the ADC(2)/Def2-TZVP//B3LYP-D3/Def2-TZVP level.

T 7		DPP-X ₁		DPP-X ₂			
-X	E_{HOMO}	E_{LUMO}	$\boldsymbol{E_g}$	E_{HOMO}	E_{LUMO}	E_g	
–Н	-8.22	1.05	9.27	-8.22	1.05	9.27	
–Br	-8.34	0.88	9.22	-8.44	0.72	9.16	
–Ph	-7.71	0.65	8.36	-7.24	0.45	7.69	
$-CF_3$	-8.74	0.48	9.22	-9.19	-0.06	9.13	
-Me	-8.03	1.31	9.34	-7.84	1.55	9.39	
$-CHF_2$	-8.64	0.60	9.24	-9.04	0.20	9.24	
-СНО	-8.62	-0.09	8.52	-8.98	-0.92	8.07	
–Cl	-8.35	0.93	9.27	-8.46	0.81	9.26	
–CN	-8.77	-0.07	8.70	-9.28	-1.01	8.26	
-COMe	-8.51	0.15	8.65	-8.78	-0.49	8.28	
-COOMe	-8.41	0.30	8.71	-8.57	-0.26	8.31	
-COOH	-8.97	-0.13	8.84	-9.66	-1.08	8.58	
-F	-8.44	1.18	9.62	-8.67	1.32	9.99	
$-NMe_2$	-7.36	1.98	9.34	-6.63	2.60	9.23	
$-NH_2$	-7.60	1.86	9.46	-7.12	2.46	9.58	
-NHMe	-7.38	1.95	9.34	-6.67	2.66	9.33	
$-NO_2$	-8.99	-0.52	8.47	-9.68	-1.58	8.10	
-OMe	-7.96	1.65	9.61	-7.69	2.18	9.88	
–OH	-8.08	1.53	9.61	-7.93	1.98	9.91	
$-SO_2Me$	-8.79	0.27	9.05	-9.28	-0.39	8.88	

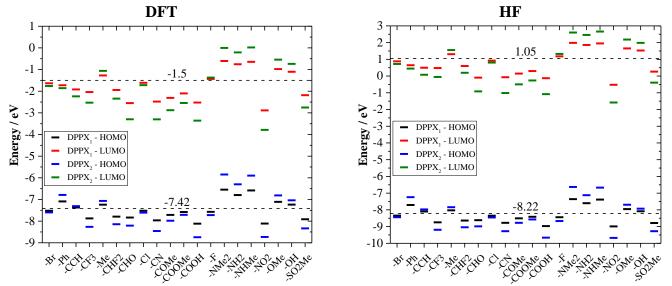


Figure S10. MO energies of all DPP-X systems. Calculations at the DFT and HF levels. The dashed lines with the values above show the FMO energies for the unsubstituted DPP-H system.

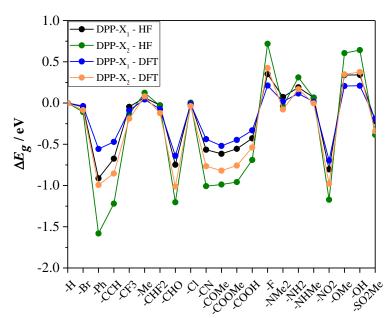


Figure S11. HOMO-LUMO gap (E_g) , in eV, of all mono-substituted DPP-X systems. Calculations at the CAM-B3LYP/Def2-TZVP//B3LYP-D3/Def2-TZVP and ADC(2)/Def2-TZVP//B3LYP-D3/Def2-TZVP levels.

Table S10. HOMO-LUMO gap variations in relation to the unsubstituted DPP-H (ΔE_g), in eV, of all DPP-X systems. Calculations at the CAM-B3LYP/Def2-TZVP//B3LYP-D3/Def2-TZVP and ADC(2) levels.

v	CAM-l	B3LYP	ADC(2)		
-X	$\Delta E_g(\text{DPP-X}_1)$	$\Delta \boldsymbol{E_g}(\mathbf{DPP-X_2})$	$\Delta E_g(\text{DPP-X}_1)$	$\Delta E_g(\text{DPP-X}_2)$	
<u>-</u> Н	0.00	0.00	0.00	0.00	
–Br	-0.04	-0.09	-0.05	-0.11	
–Ph	-0.56	-0.99	-0.91	-1.58	
–CCH	-0.47	-0.85	-0.68	-1.22	
$-CF_3$	-0.09	-0.19	-0.05	-0.14	
–Me	0.04	0.08	0.07	0.12	
$-CHF_2$	-0.07	-0.12	-0.03	-0.03	
-СНО	-0.64	-1.01	-0.75	-1.20	
–Cl	-0.02	-0.04	-0.00	-0.01	
–CN	-0.44	-0.77	-0.57	-1.01	
–COMe	-0.52	-0.82	-0.62	-0.99	
-COOMe	-0.45	-0.76	-0.56	-0.96	
-COOH	-0.33	-0.54	-0.43	-0.69	
$-\mathbf{F}$	0.21	0.43	0.35	0.72	
$-NMe_2$	0.02	-0.08	0.07	-0.04	
$-NH_2$	0.12	0.17	0.19	0.31	
-NHMe	0.01	0.00	0.07	0.06	
$-NO_2$	-0.70	-0.98	-0.80	-1.17	
-OMe	0.21	0.35	0.34	0.61	
–OH	0.21	0.38	0.34	0.64	
-SO ₂ Me	-0.19	-0.34	-0.22	-0.39	

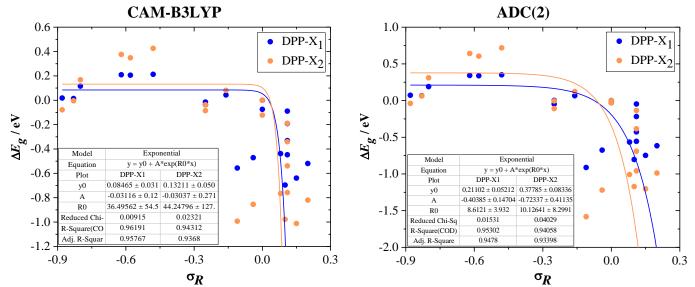
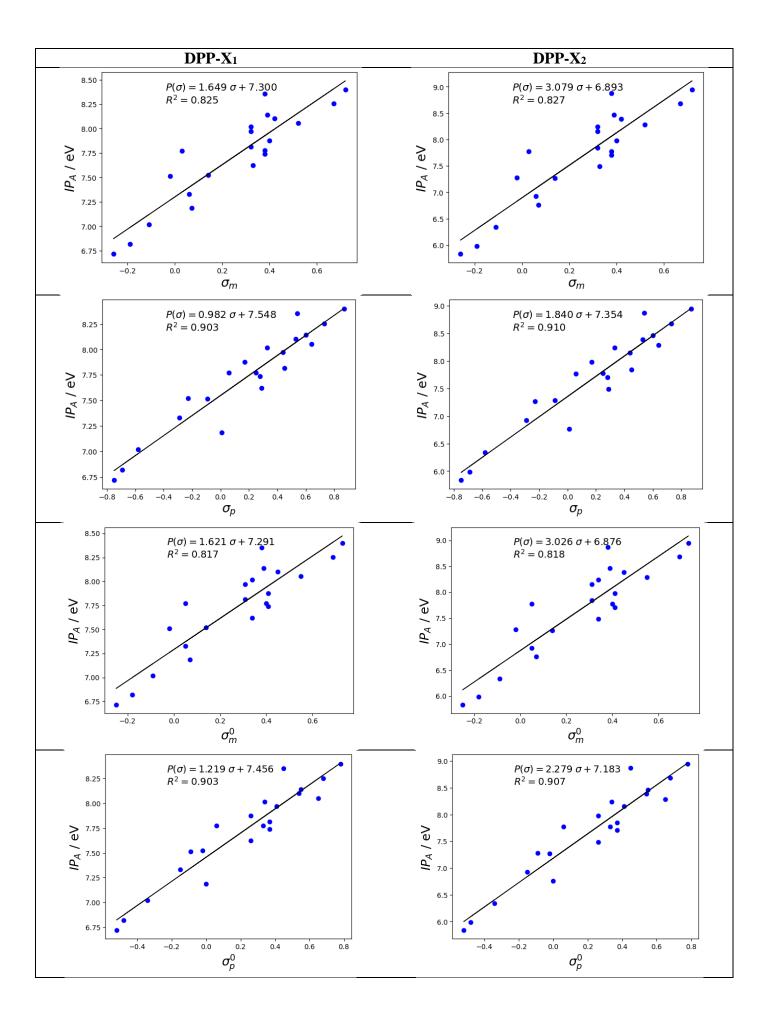


Figure S12. The best correspondences between the difference, in eV, between the HOMO-LUMO gaps of all DPP-X systems and the unsubstituted DPP-H system (ΔE_g) and our ML-based σ_R . Calculations at both CAM-B3LYP/Def2-TZVP//B3LYP-D3/Def2-TZVP and ADC(2).



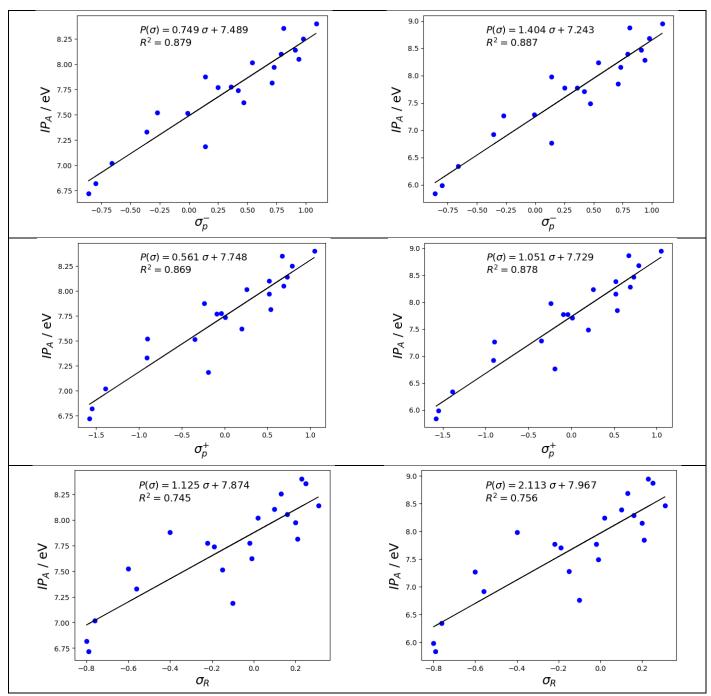
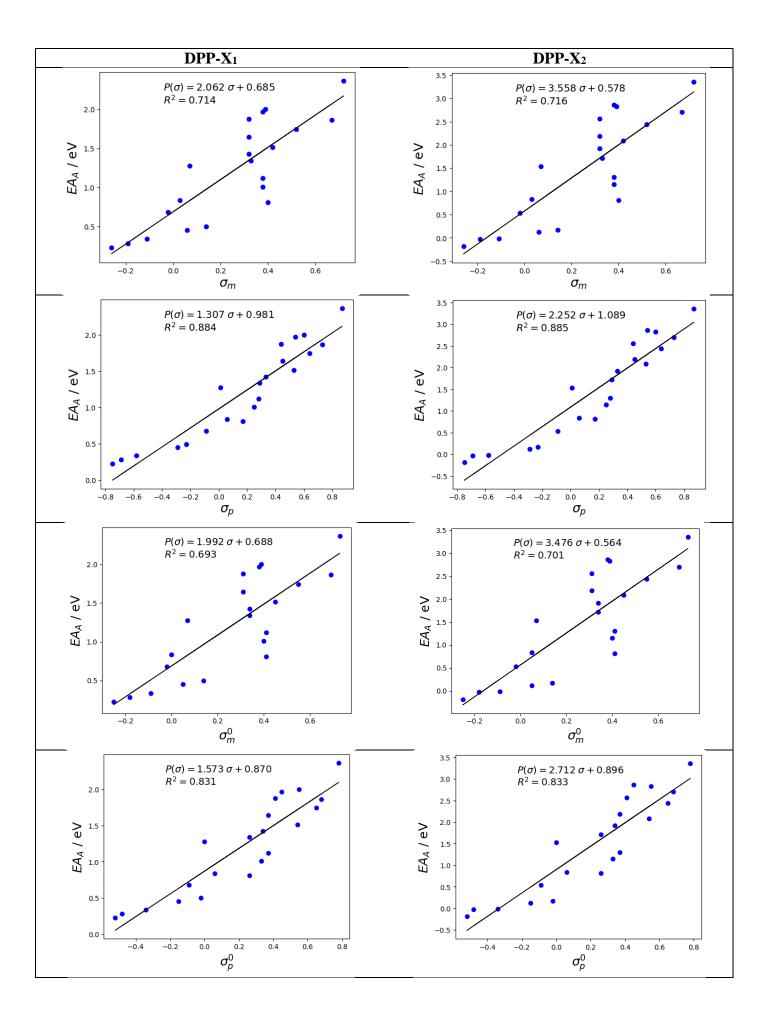


Figure S13. Correspondences between the adiabatic ionization potentials (IP_A) and our ML-based Hammett's constants. Calculations at the CAM-B3LYP/Def2-TZVP//B3LYP-D3/Def2-TZVP level.



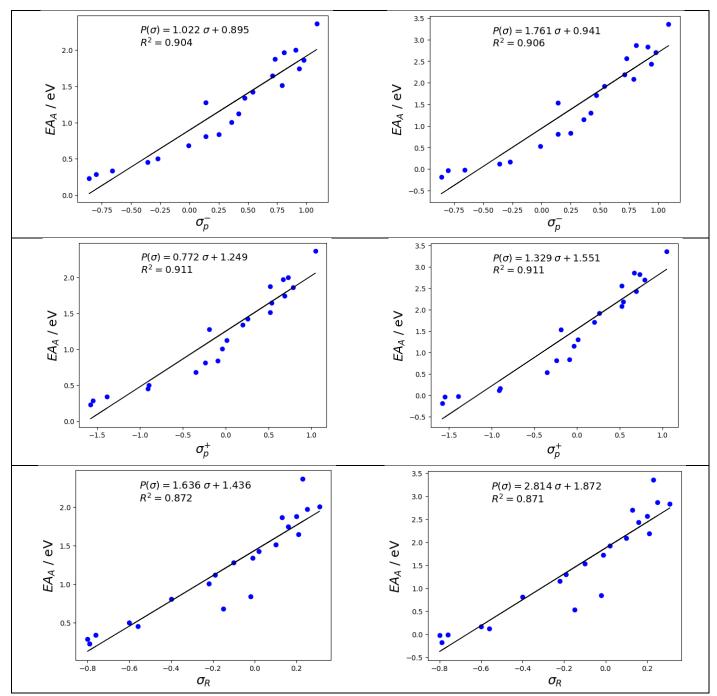


Figure S14. Correspondences between the adiabatic electron affinities (EA_A) and our ML-based Hammett's constants. Calculations at the CAM-B3LYP/Def2-TZVP//B3LYP-D3/Def2-TZVP level.

Table S11. Adiabatic ionization potential (IP_A) and electron affinity (EA_A), in eV, of all DPP-X systems. Calculations at the CAM-B3LYP/Def2-TZVP//B3LYP-D3/Def2-TZVP level.

-X -	DPI	P-X ₁	1	P-X ₂
	IP _A [eV]	EA_A [eV]	IP_A [eV]	EA_A [eV]
–H	7.77	0.84	7.77	0.84
–Br	7.74	1.12	7.71	1.30
–Ph	7.19	1.28	6.76	1.53
–CCH	7.62	1.34	7.49	1.72
$-CF_3$	8.10	1.51	8.39	2.09
-Me	7.51	0.68	7.28	0.53
$-CHF_2$	8.02	1.42	8.24	1.92
-СНО	8.14	2.00	8.46	2.83
–Cl	7.77	1.01	7.77	1.15
–CN	8.25	1.86	8.68	2.70
-COMe	7.97	1.88	8.15	2.56
-COOMe	7.82	1.64	7.84	2.19
-COOH	8.35	1.97	8.87	2.86
–F	7.88	0.81	7.98	0.81
$-NMe_2$	6.72	0.23	5.84	-0.18
$-NH_2$	7.02	0.34	6.34	-0.02
-NHMe	6.82	0.28	5.98	-0.03
$-NO_2$	8.40	2.36	8.95	3.36
–OMe	7.33	0.45	6.92	0.12
–OH	7.52	0.50	7.27	0.17
$-SO_2Me$	8.05	1.74	8.28	2.44

Table S12. Maximum absorption wavelengths (λ_{max}) in nm, energies of the first singlet excited states (ΔE) in eV, the main transition orbitals assignment and its contribution, and oscillator strengths (f) for all DPP-X₁ systems and, in parenthesis, the same values regarding the DPP-X₂ systems. Calculations at the CAM-B3LYP/Def2-TZVP/B3LYP-D3/Def2-TZVP level.

-X	λ_{max} [nm]	$\Delta E [eV]$	Assignment	Contribution [%]	\overline{f}
–H	348.3	3.56	$HOMO \rightarrow LUMO$	97.5.	0.26
–Br	350.0 (352.7)	3.54 (3.52)	$HOMO \rightarrow LUMO$	97.5 (97.7)	0.27 (0.30)
–Ph	391.7 (436.2)	3.17 (2.84)	$HOMO \rightarrow LUMO$	97.7 (97.9)	0.31 (0.55)
–CCH	382.6 (415.3)	3.24 (2.99)	$HOMO \rightarrow LUMO$	97.7 (98.0)	0.28 (0.37)
$-CF_3$	358.7 (367.0)	3.46 (3.38)	$HOMO \rightarrow LUMO$	96.5 (97.9)	0.24 (0.25)
-Me	344.3 (340.5)	3.60 (3.64)	$HOMO \rightarrow LUMO$	97.5 (97.7)	0.27(0.29)
$-CHF_2$	357.1 (362.6)	3.47 (3.42)	$HOMO \rightarrow LUMO$	97.2 (97.8)	0.25 (0.26)
–CHO	407.5 (449.1)	3.04 (2.76)	$HOMO \rightarrow LUMO$	97.8 (98.4)	0.24 (0.28)
–Cl	347.4 (347.1)	3.57 (3.57)	$HOMO \rightarrow LUMO$	97.6 (97.7)	0.27 (0.29)
–CN	385.1 (412.5)	3.22 (3.01)	$HOMO \rightarrow LUMO$	96.6 (98.1)	0.25 (0.29)
-COMe	397.0 (430.2)	3.12 (2.88)	$HOMO \rightarrow LUMO$	98.0 (98.4)	0.23 (0.26)
-COOMe	391.0 (424.9)	3.17 (2.92)	$HOMO \rightarrow LUMO$	97.9 (98.4)	0.24 (0.26)
-COOH	381.1 (403.9)	3.25 (3.07)	$HOMO \rightarrow LUMO$	98.0 (98.1)	0.22(0.23)
_F	329.5 (312.3)	3.76 (3.97)	$HOMO \rightarrow LUMO$	97.4 (97.3)	0.27 (0.29)
$-NMe_2$	347.2 (350.3)	3.57 (3.54)	$HOMO \rightarrow LUMO$	96.9 (98.2)	0.26 (0.38)
$-NH_2$	337.1 (327.0)	3.68 (3.79)	$HOMO \rightarrow LUMO$	96.9 (97.9)	0.26 (0.32)
-NHMe	345.9 (339.3)	3.59 (3.65)	$HOMO \rightarrow LUMO$	96.6 (98.1)	0.28 (0.41)
$-NO_2$	421.4 (453.5)	2.94 (2.73)	$HOMO \rightarrow LUMO$	98.1 (98.8)	0.20 (0.24)
-OMe	333.8 (323.2)	3.71 (3.84)	$HOMO \rightarrow LUMO$	97.4 (97.9)	0.24 (0.25)
–OH	330.5 (314.9)	3.75 (3.94)	$HOMO \rightarrow LUMO$	97.0 (97.6)	0.26 (0.29)
$-SO_2Me$	368.7 (385.4)	3.36 (3.22)	$HOMO \rightarrow LUMO$	97.5 (97.9)	0.23 (0.24)

Table S13. Maximum absorption wavelengths (λ_{max}) in nm, energies of the first singlet excited states (ΔE) in eV, the main transition orbitals assignment and its contribution, and oscillator strengths (f) for all DPP-X₁ systems and, in parenthesis, the same values regarding the DPP-X₂ systems. Calculations at the ADC(2)/Def2-TZVP//B3LYP-D3/Def2-TZVP level.

X	λ_{max} [nm]	$\Delta E [eV]$	Assignment	Contribution [%]	f
-H	368.57	3.36	$HOMO \rightarrow LUMO$	92.1	0.29
–Br	371.77 (375.10)	3.33 (3.31)	$HOMO \rightarrow LUMO$	91.9 (92.8)	0.30 (0.32)
–Ph	421.89 (467.46)	2.94 (2.65)	$HOMO \rightarrow LUMO$	89.7 (90.3)	0.31 (0.51)
–CCH	401.70 (433.10)	3.09 (2.86)	$HOMO \rightarrow LUMO$	89.9 (89.8)	0.29 (0.35)
$-CF_3$	381.47 (391.11)	3.25 (3.17)	$HOMO \rightarrow LUMO$	91.0 (92.3)	0.27 (0.27)
–Me	366.26 (362.67)	3.39 (3.42)	$HOMO \rightarrow LUMO$	92.1 (92.2)	0.30 (0.31)
$-CHF_2$	379.05 (385.43)	3.27 (3.22)	$HOMO \rightarrow LUMO$	91.6 (91.9)	0.27 (0.27)
–СНО	428.92 (469.13)	2.89 (2.64)	$HOMO \rightarrow LUMO$	91.6 (91.7)	0.26 (0.29)
–Cl	368.11 (367.15)	3.37 (3.38)	$HOMO \rightarrow LUMO$	92.0 (93.0)	0.30 (0.32)
–CN	405.64 (430.16)	3.06 (2.88)	$HOMO \rightarrow LUMO$	89.9 (90.5)	0.27 (0.30)
–COMe	421.15 (457.21)	2.94 (2.71)	$HOMO \rightarrow LUMO$	92.0 (92.0)	0.25 (0.26)
-COOMe	414.57 (450.86)	2.99 (2.75)	$HOMO \rightarrow LUMO$	91.9 (92.2)	0.25 (0.26)
-COOH	404.71 (428.68)	3.06 (2.89)	$HOMO \rightarrow LUMO$	91.9 (91.4)	0.24 (0.24)
$-\mathbf{F}$	346.67 (326.42)	3.58 (3.80)	$HOMO \rightarrow LUMO$	92.8 (94.2)	0.32 (0.35)
$-NMe_2$	380.72 (390.98)	3.26 (3.17)	$HOMO \rightarrow LUMO$	92.7 (93.1)	0.29 (0.39)
$-NH_2$	363.22 (351.78)	3.41 (3.52)	$HOMO \rightarrow LUMO$	92.9 (93.7)	0.29 (0.37)
-NHMe	376.33 (373.85)	3.29 (3.32)	$HOMO \rightarrow LUMO$	87.7 (94.7)	0.30 (0.43)
$-NO_2$	434.64 (455.34)	2.85 (2.72)	$HOMO \rightarrow LUMO$	92.1 (93.2)	0.23 (0.25)
–OMe	356.60 (346.58)	3.48 (3.58)	$HOMO \rightarrow LUMO$	92.9 (94.9)	0.27 (0.28)
–OH	351.82 (335.95)	3.52 (3.69)	$HOMO \rightarrow LUMO$	92.9 (94.9)	0.30 (0.34)
-SO ₂ Me	396.92 (419.79)	3.12 (2.95)	HOMO → LUMO	91.8 (92.5)	0.25 (0.24)

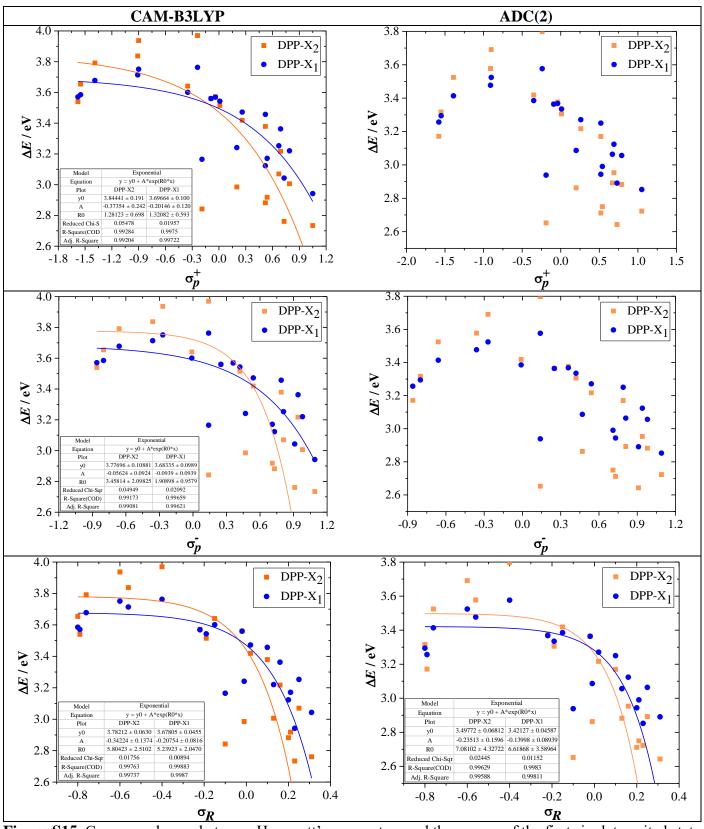
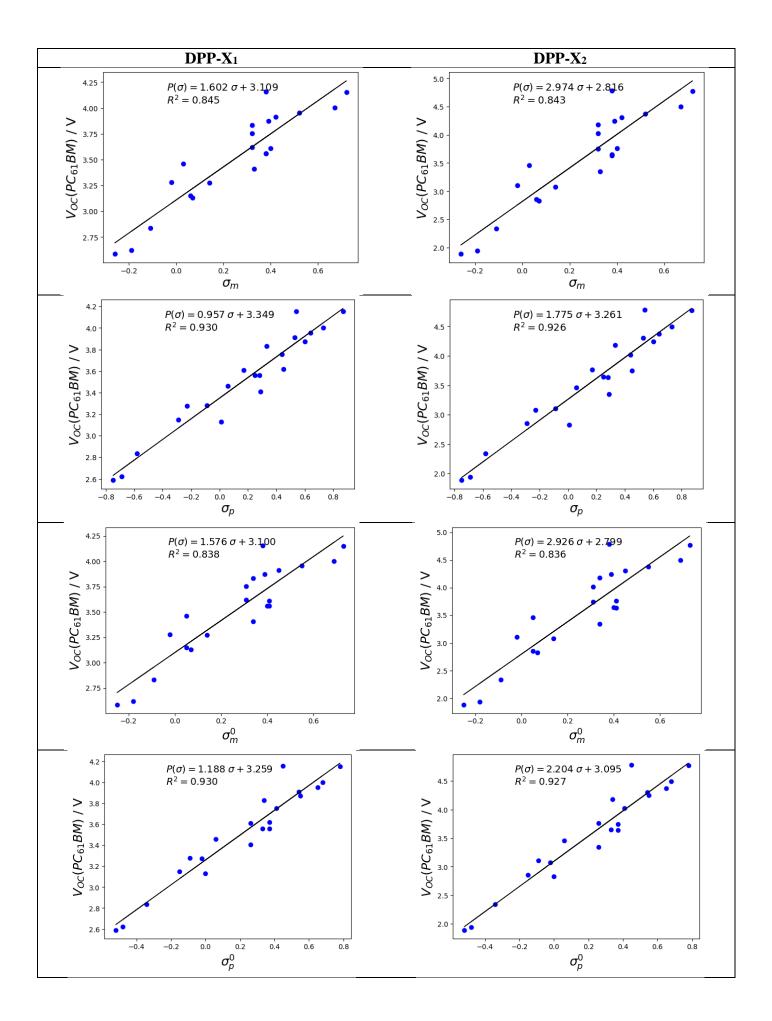


Figure S15. Correspondences between Hammett's parameters and the energy of the first singlet excited state (ΔE) .



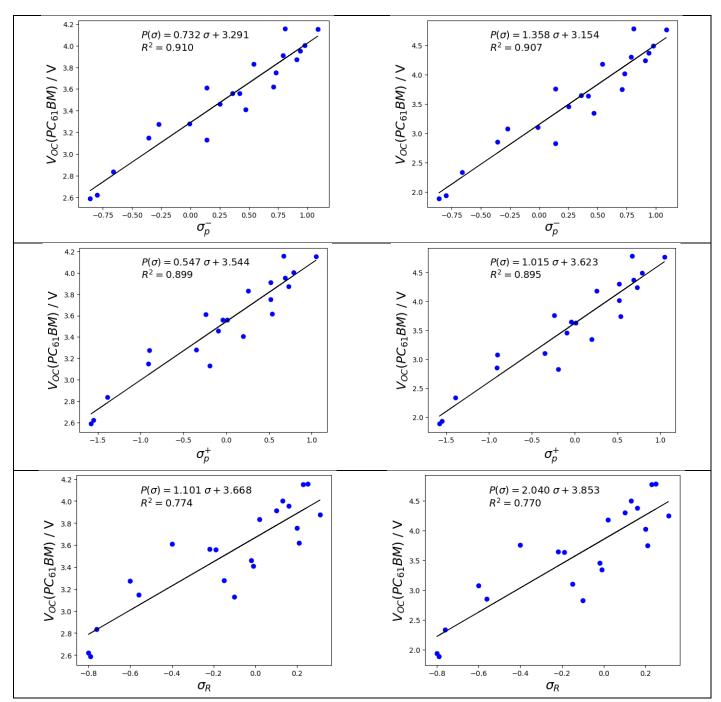
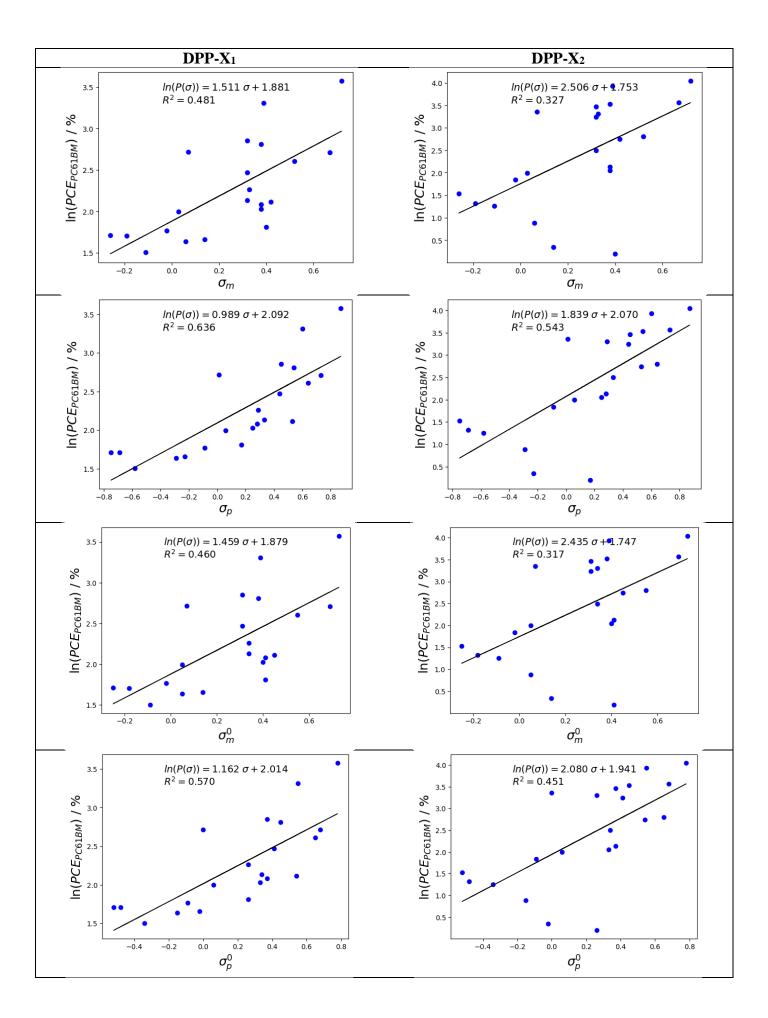


Figure S16. Correspondences between the open-circuit voltage (V_{OC}) and our ML-based Hammett's constants. Calculations at the CAM-B3LYP/Def2-TZVP//B3LYP-D3/Def2-TZVP level and considering PC₆₁BM as *A*-material.



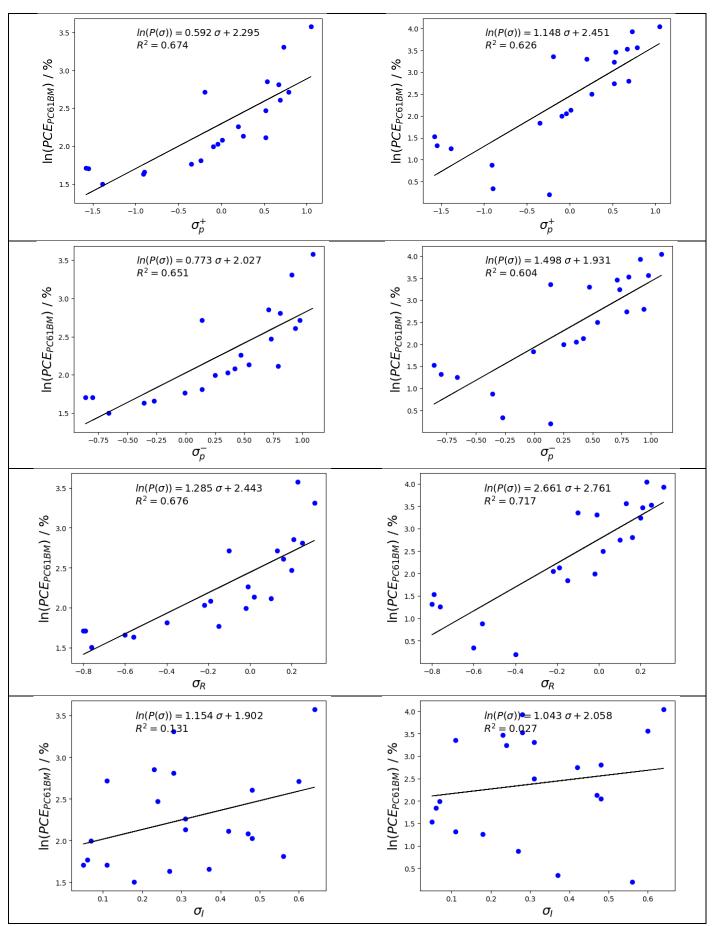


Figure S17. Correspondences between the power conversion efficiency (PCE) and our ML-based Hammett's constants. Calculations at the CAM-B3LYP/Def2-TZVP//B3LYP-D3/Def2-TZVP level. The calculations take into consideration the PC₆₁BM as acceptor-material, the FF = 0.65 and J_{SC} calculated by eq. (12).

Table S14. Open-circuit voltage (V_{OC}) in V, fill factor (FF), short-circuit current (J_{SC}) in mA/cm², and power conversion efficiency (PCE) in % of all DPP-X systems calculated at the CAM-B3LYP/Def2-TZVP//B3LYP-D3/Def2-TZVP level.

-X		DP	P-X ₁		DPP-X ₂			
-A	V_{oc}	FF	Jsc	PCE	V_{oc}	FF	J_{SC}	PCE
<u>-</u> Н	3.46	0.98	3.27	11.06	3.46	0.98	3.27	11.06
–Br	3.56	0.98	3.47	12.06	3.64	0.98	3.56	12.67
–Ph	3.13	0.97	7.42	22.66	2.83	0.97	15.61	42.93
–CCH	3.41	0.98	4.33	14.41	3.35	0.98	12.53	40.94
$-CF_3$	3.91	0.98	3.26	12.49	4.30	0.98	5.56	23.49
–Me	3.28	0.98	2.74	8.78	3.11	0.97	3.12	9.44
$-CHF_2$	3.83	0.98	3.39	12.71	4.18	0.98	4.46	18.30
-CHO	3.87	0.98	10.87	41.24	4.25	0.98	18.47	76.92
–Cl	3.56	0.98	3.29	11.44	3.65	0.98	3.29	11.72
-CN	4.00	0.98	5.78	22.68	4.50	0.98	12.09	53.37
-COMe	3.75	0.98	4.85	17.80	4.02	0.98	9.76	38.46
-COOMe	3.62	0.98	7.36	26.04	3.75	0.98	13.13	48.16
-COOH	4.16	0.98	6.15	25.04	4.78	0.98	10.96	51.51
_F	3.61	0.98	2.61	9.20	3.76	0.98	0.50	1.83
$-NMe_2$	2.59	0.97	3.29	8.25	1.89	0.96	3.77	6.83
$-NH_2$	2.84	0.97	2.44	6.73	2.34	0.97	2.31	5.23
-NHMe	2.62	0.97	3.23	8.23	1.94	0.96	2.98	5.55
$-NO_2$	4.15	0.98	13.23	53.84	4.77	0.98	18.36	86.09
-OMe	3.15	0.97	2.51	7.70	2.85	0.97	1.30	3.61
-OH	3.28	0.98	2.47	7.88	3.08	0.97	0.70	2.11
-SO ₂ Me	3.95	0.98	5.28	20.45	4.37	0.98	5.78	24.83

Table S15. Open-circuit voltage (V_{OC}) in V, fill factor (FF), short-circuit current (J_{SC}) in mA/cm², and power conversion efficiency (PCE) in % of all DPP-X systems calculated at the ADC(2)/Def2-TZVP/B3LYP-D3/Def2-TZVP level.

v		DP	P-X ₁		DPP-X ₂				
-X	V _{oc}	FF	J_{SC}	PCE	Voc	FF	J_{SC}	PCE	
-H	4.26	0.96	5.28	15.85	4.26	0.96	5.28	15.85	
–Br	4.38	0.96	5.28	16.31	4.48	0.96	4.72	14.93	
–Ph	3.75	0.96	13.23	34.80	3.28	0.95	20.44	46.84	
–CCH	4.14	0.96	10.92	31.80	4.01	0.96	13.38	37.74	
$-CF_3$	4.78	0.97	6.15	20.79	5.23	0.97	7.63	28.27	
-Me	4.07	0.96	5.39	15.42	3.88	0.96	4.46	12.17	
$-CHF_2$	4.68	0.97	5.90	19.53	5.08	0.97	5.78	20.81	
-CHO	4.66	0.97	12.59	41.42	5.02	0.97	20.76	73.86	
–Cl	4.39	0.96	5.31	16.44	4.50	0.96	5.56	17.66	
-CN	4.81	0.97	10.81	36.82	5.32	0.97	9.76	36.81	
-COMe	4.55	0.97	13.23	42.47	4.82	0.97	19.74	67.25	
-COOMe	4.45	0.96	12.09	38.02	4.61	0.97	19.18	62.51	
-COOH	5.01	0.97	10.81	38.36	5.70	0.97	12.59	50.99	
-F	4.48	0.96	3.24	10.24	4.71	0.97	2.25	7.49	
$-NMe_2$	3.40	0.96	6.10	14.50	2.67	0.95	7.63	14.09	
$-NH_2$	3.64	0.96	4.51	11.52	3.16	0.95	3.54	7.81	
-NHMe	3.42	0.96	5.67	13.57	2.71	0.95	4.80	9.01	
$-NO_2$	5.03	0.97	14.77	52.60	5.72	0.97	19.29	78.37	
-OMe	4.00	0.96	3.88	10.89	3.73	0.96	3.24	8.48	
–OH	4.12	0.96	3.54	10.28	3.97	0.96	2.69	7.50	
$-SO_2Me$	4.83	0.97	5.19	17.73	5.32	0.97	12.52	47.20	

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