indeno[2,1-b]indeno[1',2':4,5]thieno[2,3-d]thiophene	2,2'-bipyridine	1,4-diphenylbuta-1,3-diyne
R1	Q	
R3 \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	R1 R2	R3 R1 R1 R4
R4 S R2	R3 N	
R2 R4	N R3	6— <u>—</u> —————6
0 R3	R2 R1	R2 R3 R3 R2
R1	Q	
IIIT	2BPD	DPBY
naphtho[1,2-b:5,6-b']dithiophene	(E)-1,2-diphenylethene ○	2,2'-bithiophene
R3、 R1	R1 R4	Ĭ.
	R3 R2	R2 R1
S S		R1
Q Q	R3 R2	R2
R1 P2	R1 R4	I
ŘÍ Ř2 NDTP	DPEL	BTPH
3a,7a-dihydroanthra[2,1,9-def:6,5,10-d'e'f']	benzo[1,2-d:4,5-d']bis(thiazole)	benzo[1,2-b:4,5-b']dithiophene
diisochromene-1,3,8,10-tetraone	Ŗ1	R1 R2
R1 R3 R4 R2	S N	
	Q V	Y Y
	N 3	
R2 R4 R3 R1	Ŕ1	$R2$ R_1
PTCD	BBTZ	BDTP thieno[3,2-b]thiophene
1,5c-dihydrofluoreno[4.3-c]fluorene	(E)-4,4'-dimethyl-[6,6'-bithieno[3,2-b]pyrrolylidene] -5,5'(4H,4'H)-dione	R
R2, R6 R3 R1	\ 0	'\
	S Q	5
	R1	Q—(′ />—Q
	R1	S
R1 R3 R6 Y \ R5 R4	Q	k
DFFE	TIDA	TTPH
benzene	4 7 dilector of the least	
	1,7-dihydro-s-indacene	1,3-di(pyridin-2-yl)-1H-imidazol-3-ium-2-ide
R1	R2 R1 R3	
	D1	R2 R2
R1	R2 R1 R3	
R2 Q	D1	R2 R2
R1 Q Q $R2$	Q $R2$ $R1$ $R3$ Q	Q $R2$ $R2$ $R2$ Q $R2$ Q
R1 Q Q $R1$ $R2$ $R1$	Q $R3$ $R1$ $R3$ $R1$ $R2$	$Q \longrightarrow R2$ $R1 \longrightarrow R3$ $R4 \longrightarrow R4$ $R3 \longrightarrow R1$
R1 Q Q R1 R1 BENZ	Q $R2$ $R1$ $R3$ Q $R3$ $R1$ $R2$ $R2$ Q	$\begin{array}{c} R2 \\ Q \\ R1 \\ R3 \\ R4 \\ R4 \\ R4 \\ R3 \\ R1 \end{array}$ PYEN
R1 Q Q $R1$ $R2$ $R1$	Q R1 R3 Q Q R3 R1 R2 DHSI 1,3-diphenyl-1H-imidazol-3-ium-2-ide	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$
R1 R2 Q Q R1 R1 BENZ naphthalene R2 R1	Q $R2$ $R1$ $R3$ Q $R3$ $R1$ $R2$ $R2$ Q	PYEN pyrene-1,3,6,8(2H,7H)-tetraone
R1 R2 Q R1 R1 BENZ naphthalene R2 R1	R2 R1 R3 Q R3 R1 R2 DHSI 1,3-diphenyl-1H-imidazol-3-ium-2-ide	PYEN pyrene-1,3,6,8(2H,7H)-tetraone
R1 R2 R2 R1 R2 R1 BENZ naphthalene R2 R1 R3	R2 R1 R3 Q R3 R1 R2 DHSI 1,3-diphenyl-1H-imidazol-3-ium-2-ide	PYEN pyrene-1,3,6,8(2H,7H)-tetraone R1 R2 R2 R1 R2 R1 R2 R1 R2 R1 R2 R1 R2
R1 R2 Q Q R1 R1 BENZ naphthalene R2 R1	R2 R1 R3 Q R3 R1 R2 DHSI 1,3-diphenyl-1H-imidazol-3-ium-2-ide	PYEN pyrene-1,3,6,8(2H,7H)-tetraone
R1 R2 R2 R1 R2 R1 BENZ naphthalene R2 R1 R3	R2 R1 R3 Q R3 R1 R2 DHSI 1,3-diphenyl-1H-imidazol-3-ium-2-ide	PYEN pyrene-1,3,6,8(2H,7H)-tetraone R1 R2 R2 R1 R2 R1 R2 R1 R2 R1 R2 R1 R2