

type	building block	examples	$\Delta G^{\text{vap}}$		$\Delta G^{\text{hyd}}$		$\Delta G^{\text{part}}_{\text{HW}}$		$\Delta G^{\text{part}}_{\text{CW}}$		$\Delta G^{\text{part}}_{\text{EW}}$		$\Delta G^{\text{part}}_{\text{OW}}$	
			exp	CG	exp	CG	exp	CG	exp	CG	exp	CG	exp	CG
Q <sub>da</sub>	H <sub>3</sub> N <sup>+</sup> —C <sub>2</sub> —OH	ethanolamine (protonated)				−25		< −30		−18		−13		−18
Q <sub>d</sub>	H <sub>3</sub> N <sup>+</sup> —C <sub>3</sub>	1-propylamine (protonated)				−25		< −30		−18		−13		−18
	NA <sup>+</sup> OH	sodium (hydrated)				−25		< −30		−18		−13		−18
Q <sub>a</sub>	PO <sub>4</sub> <sup>−</sup>	phosphate				−25		< −30		−18		−13		−18
	CL <sup>−</sup> HO	chloride (hydrated)				−25		< −30		−18		−13		−18
Q <sub>0</sub>	C <sub>3</sub> N <sup>+</sup>	choline				−25		< −30		−18		−13		−18
P <sub>5</sub>	H <sub>2</sub> N—C <sub>2</sub> =O	acetamide	sol	sol	−40	−25	−27	−28	(−20)	−18	−15	−13	−8	−10
P <sub>4</sub>	HOH ( × 4)	water	−27	−18	−27	−18	−25	−23		−14	−10	−7	−8	−9
	HO—C <sub>2</sub> —OH	ethanediol	−35	−18	−33	−18	−21	−23		−14		−7	−8	−9
P <sub>3</sub>	HO—C <sub>2</sub> =O	acetic acid	−31	−18	−29	−18	−19	−21	−9	−10	−2	−6	−1	−7
	C—NH—C=O	methylformamide	−35	−18		−18		−21		−10		−6	−5	−7
P <sub>2</sub>	C <sub>2</sub> —OH	ethanol	−22	−16	−21	−14	−13	−17	−5	−2	−3	1	−2	−2
P <sub>1</sub>	C <sub>3</sub> —OH	1-propanol	−23	−16	−21	−14	−9	−11	−2	−2	0	1	1	−1
		2-propanol	−22	−16	−20	−14	−10	−11	−2	−2	−1	1	0	−1
N <sub>da</sub>	C <sub>4</sub> —OH	1-butanol	−25	−16	−20	−9	−5	−7	2	0	4	2	4	3
N <sub>d</sub>	H <sub>2</sub> N—C <sub>3</sub>	1-propylamine	−17	−13	−18	−9	(−6)	−7	(1)	0	(−3)	2	(3)	3
N <sub>a</sub>	C <sub>3</sub> =O	2-propanone	−17	−13	−16	−9	−6	−7	1	0	−1	2	−1	3
	C—NO <sub>2</sub>	nitromethane	−23	−13	−17	−9	−6	−7		0		2	−2	3
	C <sub>3</sub> =N	propionitrile	−22	−13	−17	−9	−5	−7		0		2	1	3
	C—O—C=O	methylformate	−16	−13	−12	−9	(−6)	−7	(4)	0	(−1)	2	(0)	3
	C <sub>2</sub> HC=O	propanal		−13	−15	−9	−4	−7		0	2	2	3	3
N <sub>0</sub>	C—O—C <sub>2</sub>	methoxyethane	−13	−10	(−8)	−2	(1)	−2		6	(3)	6	(3)	5
C <sub>5</sub>	C <sub>3</sub> —SH	1-propanethiol	−17	−10		1		5		10		10		6
	C—S—C <sub>2</sub>	methyl ethyl sulfide	−17	−10	−6	1	(7)	5		10		10	(9)	6
C <sub>4</sub>	C <sub>2</sub> =C <sub>2</sub>	2-butyne	−15	−10	−1	5		9		13		13	9	9
	C=C—C=C	1,3-butadiene		−10	2	5	11	9		13		13	11	9
	C—X <sub>4</sub>	chloroform	−18	−10	−4	5	(7)	9	14	13		13	11	9
C <sub>3</sub>	C <sub>2</sub> =C <sub>2</sub>	2-butene		−10		5		13		13		13	13	14
	C <sub>3</sub> —X	1-chloropropane	−16	−10	−1	5	12	13		13		13	12	14
		2-bromopropane	−16	−10	−2	5		13		13		13	12	14
C <sub>2</sub>	C <sub>3</sub>	propane	gas	−10	8	10		16		15		14	14	16
C <sub>1</sub>	C <sub>4</sub>	butane	−11 <sup>b</sup>	−10	9	14	18	18		18		14	16	17
		isopropane	gas	−10	10	14		18		18		14	16	17