2,5-Dihydroxy-p-benzoquinone

Other names:	p-Benzoquinone, 2,5-dihydroxy- 2,5-Dihydroxy-p-benzoquinone 2,5-Dihydroxy-1,4-benzoquinone 2,5-Dihyroxy-p-benzoquinone 2,5-Dihydroxybenzoquinone
Inchi:	InChI=1S/C6H4O4/c7-3-1-4(8)6(10)2-5(3)9/h1-2,7,10H
InchiKey:	QFSYADJLNBHAKO-UHFFFAOYSA-N
Formula:	C6H4O4
SMILES:	O=C1C=C(O)C(=O)C=C1O
Mol. weight [g/mol]:	140.09

Physical Properties

Property code	Value	Unit	Source
hfus	10.92	kJ/mol	Joback Method
ie	9.68	eV	Cheméo Relay (1.0)
logp	0.022		Crippen Method
mcvol	90.820	ml/mol	McGowan Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	228.17	J/mol×K	689.18	Joback Method
cpg	235.56	J/mol×K	724.91	Joback Method
cpg	242.50	J/mol×K	760.64	Joback Method
cpg	248.95	J/mol×K	796.36	Joback Method
cpg	254.85	J/mol×K	832.09	Joback Method
cpg	260.19	J/mol×K	867.82	Joback Method
cpg	264.90	J/mol×K	903.55	Joback Method

Sources

Cheméo Relay (1.0, beta):	
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C615941&Units=SI
Joback Method:	https://en.wikipedia.org/wiki/Joback_method
McGowan Method:	http://link.springer.com/article/10.1007/BF02311772
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307l
Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws
Cheméo Relay (1.0):	

Legend

cpg:	Ideal gas heat capacity
hfus:	Enthalpy of fusion at standard conditions
ie:	Ionization energy
logp:	Octanol/Water partition coefficient
mcvol:	McGowan's characteristic volume

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