Dibenzo[b,k][1,4,7,10,13,16]hexaoxacyclooctadec eicosahydro-

Other names:	Dibenzo[b,k][1,4,7,10,13,16]hexaoxacyclooctadecin, eicosahydro-
	Dicyclohexo-18-crown-6
	Dicyclohexyl-18-crown-6
	Dicyclohexyl-18-crown-6 ether
	Perhydrodibenzo-18-crown-6
	2,5,8,15,18,21-Hexaoxatricyclo[20.4.0.0(9,14)]hexacosane
	Dicyclohexano-18-crown-6 ether
	Crown ether dicyclohexyl-18-crown-6
	NSC 252171
	2,3,11,12-Dicyclohexano-1,4,7-10,13,16-hexaoxacyclooctadecane
	cis-Dicyclohexano-18-crown-6
	DCH-18-crown-6
	icosahydrodibenzo[b,k][1,4,7,10,13,16]hexaoxacyclooctadecin
Inchi:	InChI=1S/C20H36O6/c1-2-6-18-17(5-1)23-13-9-21-11-15-25-19-7-3-4-8-20(19)26-16-12-
InchiKey:	BBGKDYHZQOSNMU-UHFFFAOYSA-N
Formula:	C20H36O6
SMILES:	C1CCC2OCCOCCOC3CCCCC3OCCOCCOC2C1
Mol. weight [g/mol]:	372.50

Physical Properties

Property code	Value	Unit	Source
hf	-1070.42	kJ/mol	Cheméo Relay (1.0)
hfus	55.21	kJ/mol	Joback Method
hvap	113.26	kJ/mol	Cheméo Relay (1.0)
ie	8.60	eV	NIST Webbook
ie	9.45	eV	NIST Webbook
logp	2.722		Crippen Method
mcvol	295.300	ml/mol	McGowan Method
tb	745.87	K	Cheméo Relay (1.0)

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	1102.10	J/mol×K	906.84	Joback Method

cpg	1124.64	J/mol×K	951.83	Joback Method
cpg	1143.23	J/mol×K	996.81	Joback Method
cpg	1157.81	J/mol×K	1041.80	Joback Method
cpg	1168.35	J/mol×K	1086.79	Joback Method
cpg	1174.82	J/mol×K	1131.77	Joback Method
cpg	1177.19	J/mol×K	1176.76	Joback Method
dvisc	0.0007755	Pa×s	464.32	Joback Method
dvisc	0.0001581	Pa×s	538.07	Joback Method
dvisc	0.0000473	Pa×s	611.83	Joback Method
dvisc	0.0000183	Pa×s	685.58	Joback Method
dvisc	0.0000086	Pa×s	759.33	Joback Method
dvisc	0.0000046	Pa×s	833.09	Joback Method
dvisc	0.0000027	Pa×s	906.84	Joback Method

Sources

Crippen Method: https://www.chemeo.com/doc/models/crippen_log10ws
Cheméo Relay (1.0):
Cheméo Relay (1.0, beta):
NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=C16069366&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

Legend

cpg: Ideal gas heat capacity
dvisc: Dynamic viscosity
hf: Enthalpy of formation at standard conditions
hfus: Enthalpy of fusion at standard conditions
hvap: Enthalpy of vaporization at standard conditions
ie: Ionization energy
logp: Octanol/Water partition coefficient
mcvol: McGowan's characteristic volume
tb: Normal Boiling Point Temperature