S-(-)-1,1-diphenylprolinol

Other names: 2-Pyrrolidinemethanol, «alpha»,«alpha»-diphenyl-, (2S)-
S -(-)- alpha , alpha -diphenyl-2-pyrrolidine methanol
Inchi: InChI=1S/C17H19NO/c19-17(16-12-7-13-18-16,14-8-3-1-4-9-14)15-10-5-2-6-11-15/h1-6,
InchiKey: OGCGXUGBDJGFFY-MRXNPFEDSA-N
Formula: C17H19NO
SMILES: OC(c1ccccc1)(c1ccccc1)[C@@H]1CCCN1
Mol. weight [g/mol]: 253.35

Physical Properties

Property code	Value	Unit	Source
hfus	28.07	kJ/mol	Joback Method
log10ws	-2.09		Cheméo Relay (1.0)
logp	2.675		Crippen Method
mcvol	207.860	ml/mol	McGowan Method
tf	412.30	K	Cheméo Relay (1.0)

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	626.37	J/mol×K	794.50	Joback Method
cpg	642.51	J/mol×K	836.05	Joback Method
cpg	657.26	J/mol×K	877.60	Joback Method
cpg	670.76	J/mol×K	919.15	Joback Method
cpg	683.15	J/mol×K	960.70	Joback Method
cpg	694.58	J/mol×K	1002.25	Joback Method
cpg	705.18	J/mol×K	1043.81	Joback Method

Sources

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):	
Cheméo Relay (1.0, beta):	
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C112068016&Units=SI

Legend

cpg:	Ideal gas heat capacity
hfus:	Enthalpy of fusion at standard conditions
log10ws:	Log10 of Water solubility in mol/l
logp:	Octanol/Water partition coefficient
mcvol:	McGowan's characteristic volume
tf:	Normal melting (fusion) point