Di(2-Tetrahydrofurylmethyl)amine

Other names:	Di(2-Tetrahydrofurylmethyl)amine
	Amine, difurfuryl, octahydro-
	Amine, bis(2-tetrahydrofurfuryl)
Inchi:	InChI=1S/C10H19NO2/c1-3-9(12-5-1)7-11-8-10-4-2-6-13-10/h9-11H,1-8H2
InchiKey:	WLEPBZLOVVHVIK-UHFFFAOYSA-N
Formula:	C10H19NO2
SMILES:	C1COC(CNCC2CCCO2)C1
Mol. weight [g/mol]:	185.27

Physical Properties

Property code	Value	Unit	Source
hf	-369.69	kJ/mol	Cheméo Relay (1.0)
hfus	30.58	kJ/mol	Joback Method
hvap	70.20	kJ/mol	Cheméo Relay (1.0)
logp	0.934		Crippen Method
mcvol	151.760	ml/mol	McGowan Method
tb	550.75	K	Cheméo Relay (1.0)
tf	307.53	K	Cheméo Relay (1.0)

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	410.83	J/mol×K	562.83	Joback Method
cpg	430.71	J/mol×K	599.32	Joback Method
cpg	449.33	J/mol×K	635.80	Joback Method
cpg	466.75	J/mol×K	672.29	Joback Method
cpg	483.02	J/mol×K	708.78	Joback Method
cpg	498.18	J/mol×K	745.26	Joback Method
cpg	512.30	J/mol×K	781.75	Joback Method

Sources

Cheméo Relay (1.0, beta):	
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C5343168&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
hf:	Enthalpy of formation at standard conditions
hfus:	Enthalpy of fusion at standard conditions
hvap:	Enthalpy of vaporization at standard conditions
logp:	Octanol/Water partition coefficient
mcvol:	McGowan's characteristic volume
tb:	Normal Boiling Point Temperature
tf:	Normal melting (fusion) point