

Furfurylamine, «alpha»-benzyl-N-ethyl-tetrahydro-, D-threo-

Other names: D-threo-«alpha»-Benzyl-N-ethyltetrahydrofurfurylamine

Zylofuramine

Inchi: InChI=1S/C14H21NO/c1-2-15-13(14-9-6-10-16-14)11-12-7-4-3-5-8-12/h3-5,7-8,13-15H,2

InchiKey: DOFCLOLKFGSRTG-UHFFFAOYSA-N

Formula: C14H21NO

SMILES: CCNC(Cc1ccccc1)C1CCCO1

Mol. weight [g/mol]: 219.32

CAS: 3563-92-6

Physical Properties

Property code	Value	Unit	Source
gf	216.79	kJ/mol	Joback Method
hf	-119.09	kJ/mol	Joback Method
hfus	29.55	kJ/mol	Joback Method
hvap	59.85	kJ/mol	Joback Method
log10ws	-3.18		Crippen Method
logp	2.386		Crippen Method
mcvol	189.350	ml/mol	McGowan Method
pc	2405.28	kPa	Joback Method
rinpol	1665.00		NIST Webbook
rinpol	1665.00		NIST Webbook
tb	638.36	K	Joback Method
tc	862.82	K	Joback Method
tf	349.09	K	Joback Method
vc	0.703	m3/kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	522.80	J/molxK	638.36	Joback Method
cpg	542.45	J/molxK	675.77	Joback Method
cpg	560.73	J/molxK	713.18	Joback Method
cpg	577.74	J/molxK	750.59	Joback Method
cpg	593.52	J/molxK	788.00	Joback Method

cpg	608.15	J/mol×K	825.41	Joback Method
cpg	621.71	J/mol×K	862.82	Joback Method

Sources

Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci9903071
Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws
Joback Method:	https://en.wikipedia.org/wiki/Joback_method
McGowan Method:	http://link.springer.com/article/10.1007/BF02311772
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C3563926&Units=SI

Legend

cpg:	Ideal gas heat capacity
gf:	Standard Gibbs free energy of formation
hf:	Enthalpy of formation at standard conditions
hfus:	Enthalpy of fusion at standard conditions
hvac:	Enthalpy of vaporization at standard conditions
log10ws:	Log10 of Water solubility in mol/l
logp:	Octanol/Water partition coefficient
mccvol:	McGowan's characteristic volume
pc:	Critical Pressure
rinpol:	Non-polar retention indices
tb:	Normal Boiling Point Temperature
tc:	Critical Temperature
tf:	Normal melting (fusion) point
vc:	Critical Volume

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