1-Propanamine, 3,3'-[oxybis(2,1-ethanediyloxy)]bis-

Other names: 3,3'-oxybis(ethyleneoxy)bis(propylamine)
Inchi: InChI=1S/C10H24N2O3/c11-3-1-5-13-7-9-15-10-8-14-6-2-4-12/h1-12H2
InchiKey: JCEZOHLWDIONSP-UHFFFAOYSA-N
Formula: C10H24N2O3
SMILES: NCCCOCCOCCOCCCN
Mol. weight [g/mol]: 220.31

Physical Properties

Property code	Value	Unit	Source
hfus	35.61	kJ/mol	Joback Method
hvap	81.05	kJ/mol	Cheméo Relay (1.0)
ie	8.80	eV	Cheméo Relay (1.0)
logp	-0.266		Crippen Method
mcvol	189.330	ml/mol	McGowan Method
pc	2235.52	kPa	Joback Method
tb	588.37	K	Cheméo Relay (1.0)
tf	264.27	K	Cheméo Relay (1.0)

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	530.56	J/mol×K	640.52	Joback Method
cpg	545.22	J/mol×K	670.81	Joback Method
cpg	559.25	J/mol×K	701.10	Joback Method
cpg	572.65	J/mol×K	731.39	Joback Method
cpg	585.40	J/mol×K	761.68	Joback Method
cpg	597.50	J/mol×K	791.97	Joback Method
cpg	608.96	J/mol×K	822.26	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=C4246519&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
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
pc:	Critical Pressure
tb:	Normal Boiling Point Temperature
tf:	Normal melting (fusion) point