

Styramate

Other names:	1,2-Ethanediol, 1-phenyl-, 2-carbamate «beta»-Hydroxyphenethyl carbamate Linaxar Myospaz Sinaxar Styramat 2-Hydroxy-2-phenylethyl carbamate 2-Phenyl-2-hydroxyethyl carbamate AL 1076 Carbamic acid, «beta»-hydroxyphenethyl ester Phenethyl alcohol, «beta»-hydroxy-, «alpha»-carbamate Stiramato 1-Phenyl-1,2-ethanediol 2-carbamate NSC 115889
Inchi:	InChI=1S/C9H11NO3/c10-9(12)13-6-8(11)7-4-2-1-3-5-7/h1-5,8,11H,6H2,(H2,10,12)
InchiKey:	OCSOHUROTFFTFQ-UHFFFAOYSA-N
Formula:	C9H11NO3
SMILES:	NC(=O)OCC(O)c1ccccc1
Mol. weight [g/mol]:	181.19
CAS:	94-35-9

Physical Properties

Property code	Value	Unit	Source
gf	-169.42	kJ/mol	Joback Method
hf	-361.08	kJ/mol	Joback Method
hfus	21.66	kJ/mol	Joback Method
hvap	73.99	kJ/mol	Joback Method
log10ws	-1.69		Crippen Method
logp	0.815		Crippen Method
mcvol	137.200	ml/mol	McGowan Method
pc	4173.09	kPa	Joback Method
rinpol	1667.00		NIST Webbook
rinpol	1667.00		NIST Webbook
tb	672.56	K	Joback Method
tc	885.15	K	Joback Method
tf	418.85	K	Joback Method
vc	0.497	m3/kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	358.13	J/mol×K	672.56	Joback Method
cpg	368.35	J/mol×K	707.99	Joback Method
cpg	377.87	J/mol×K	743.42	Joback Method
cpg	386.71	J/mol×K	778.85	Joback Method
cpg	394.89	J/mol×K	814.28	Joback Method
cpg	402.44	J/mol×K	849.72	Joback Method
cpg	409.36	J/mol×K	885.15	Joback Method

Sources

Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307l
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=C94359&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
hvap:	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

Latest version available from:

<https://www.cheméo.com/cid/45-784-2/Styramate.pdf>

Generated by Cheméo on 2025-12-22 22:28:09.586061814 +0000 UTC m=+6190687.116102507.

Cheméo (<https://www.cheméo.com>) is the biggest free database of chemical and physical data for the process industry.