Octadecanamide, N-(2-hydroxyethyl)-

Other names:	Clindrol 200-MS
	Comperlan HS
	Cycloamide SM
	Loramine S 280
	Marlamid M 18
	Monoethanolamine stearic acid amide
	N-(Hydroxyethyl)stearamide
	N-(2-Hydroxyethyl)octadecanamide
	N-(2-Hydroxyethyl)stearamide
	N-Stearoylethanolamine
	Onyx Wax EL
	Stearamide MEA
	Stearamyl
	Stearic acid monoethanolamide
	Stearic ethanolamide
	Stearic ethylolamide
	Stearic monoethanolamide
	Stearic monoethanolamine
	Stearoyl Monoethanolamide
	Stearoylethanolamine
	Stearamide, N-(2-hydroxyethyl)-
	1:1 Stearamide MEA
	Alkamide S-280
	Amidex SME
	Mackamide SMA
	Monamid S
	Rewomid S 280
	Stearamide-MEA (1:1)
	Stearoylethanolamide
	Witcamide 70
	NSC 3377
Inchi:	InChI=1S/C20H41NO2/c1-2-3-4-5-6-7-8-9-10-11-12-13-14-15-16-17-20(23)21-18-19-22/h
InchiKey:	OTGQIQQTPXJQRG-UHFFFAOYSA-N
Formula:	C20H41NO2
SMILES:	CCCCCCCCCCCCCCCCCC(O)=NCCO
Mol. weight [g/mol]:	327.55
CAS:	111-57-9

Physical Properties

Property code	Value	Unit	Source
hf	-688.16	kJ/mol	Joback Method
hvap	96.87	kJ/mol	Joback Method
log10ws	-6.44		Crippen Method
logp	6.197		Crippen Method
mcvol	310.080	ml/mol	McGowan Method
pc	1072.17	kPa	Joback Method
rinpol	2347.10		NIST Webbook
rinpol	2347.10		NIST Webbook
tb	917.92	K	Joback Method
tc	1128.31	K	Joback Method

Sources

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=C111579&Units=SI
Crippen Method: http://pubs.acs.org/doi/abs/10.1021/ci990307l

Legend

hf: Enthalpy of formation at standard conditions
hvap: Enthalpy of vaporization at standard conditions
log10ws: Log10 of Water solubility in mol/l
logp: Octanol/Water partition coefficient
mcvol: McGowan's characteristic volume
pc: Critical Pressure
rinpol: Non-polar retention indices
tb: Normal Boiling Point Temperature
tc: Critical Temperature

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