Palmidrol

Other names:	Hexadecanamide, N-(2-hydroxyethyl)-
	Hydroxyethylpalmitamide
	Impulsin
	Loramine P 256
	N-(2-Hydroxyethyl)palmitamide
	Palmitic acid monoethanolamide
	Palmitoylethanolamide
	N-(2-Hydroxyethyl)hexadecanamide
	NSC 23320
Inchi:	InChI=1S/C18H37NO2/c1-2-3-4-5-6-7-8-9-10-11-12-13-14-15-18(21)19-16-17-20/h20H,2
InchiKey:	HXYVTAGFYLMHSO-UHFFFAOYSA-N
Formula:	C18H37NO2
SMILES:	CCCCCCCCCCCCCCCC(O)=NCCO
Mol. weight [g/mol]:	299.49
CAS:	544-31-0

Physical Properties

Property code	Value	Unit	Source
hf	-646.88	kJ/mol	Joback Method
hvap	92.41	kJ/mol	Joback Method
log10ws	-5.60		Crippen Method
logp	5.417		Crippen Method
mcvol	281.900	ml/mol	McGowan Method
pc	1220.85	kPa	Joback Method
rinpol	2140.50		NIST Webbook
rinpol	2140.50		NIST Webbook
tb	872.16	K	Joback Method
tc	1068.26	K	Joback Method

Sources

NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C544310&Units=SI
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

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