N-Benzyllinoleamide

Inchi: InChI=1S/C25H39NO/c1-2-3-4-5-6-7-8-9-10-11-12-13-14-15-19-22-25(27)26-23-24-20-1
InchiKey: YJWLCIANOBCQGW-HZJYTTRNSA-N
Formula: C25H39NO
SMILES: CCCCCC=CCC=CCCCCCCCC(O)=NCc1ccccc1
Mol. weight [g/mol]: 369.58
CAS: 18286-71-0

Physical Properties

Property code	Value	Unit	Source
hf	-168.16	kJ/mol	Joback Method
hvap	93.51	kJ/mol	Joback Method
log10ws	-8.58		Crippen Method
logp	7.957		Crippen Method
mcvol	342.300	ml/mol	McGowan Method
pc	982.08	kPa	Joback Method
rinpol	3063.60		NIST Webbook
rinpol	3063.60		NIST Webbook
tb	975.14	K	Joback Method
tc	1193.87	K	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=C18286710&Units=SI

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