

Lacosamide

Other names:	Lacosamide
Inchi:	InChI=1S/C13H18N2O3/c1-10(16)15-12(9-18-2)13(17)14-8-11-6-4-3-5-7-11/h3-7,12H,8-
InchiKey:	VPPJLAIAVCUEMN-UHFFFAOYSA-N
Formula:	C13H18N2O3
SMILES:	COCC(NC(C)=O)C(=O)NCc1ccccc1
Mol. weight [g/mol]:	250.30

Physical Properties

Property code	Value	Unit	Source
hfus	34.53	kJ/mol	Joback Method
hvap	100.05	kJ/mol	Cheméo Relay (1.0)
log10ws	-1.65		Cheméo Relay (1.0)
logp	0.454		Crippen Method
mcvol	199.240	ml/mol	McGowan Method
rinpol	2074.20		NIST Webbook
rinpol	2074.20		NIST Webbook
tb	601.12	K	Cheméo Relay (1.0)
tf	352.62	K	Cheméo Relay (1.0)

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	568.21	J/mol×K	753.58	Joback Method
cpg	581.67	J/mol×K	789.10	Joback Method
cpg	594.14	J/mol×K	824.61	Joback Method
cpg	605.66	J/mol×K	860.13	Joback Method
cpg	616.25	J/mol×K	895.64	Joback Method
cpg	625.95	J/mol×K	931.16	Joback Method
cpg	634.80	J/mol×K	966.68	Joback Method

Sources

Cheméo Relay (1.0, beta):

NIST Webbook: <http://webbook.nist.gov/cgi/cbook.cgi?ID=C175481364&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>

Crippen Method: https://www.chemeo.com/doc/models/crippen_log10ws

Cheméo Relay (1.0):

Legend

cpg:	Ideal gas heat capacity
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
mcvol:	McGowan's characteristic volume
rinpol:	Non-polar retention indices
tb:	Normal Boiling Point Temperature
tf:	Normal melting (fusion) point

Latest version available from:

<https://www.chemeo.com/cid/121-714-4/Lacosamide.pdf>

Generated by Cheméo on 2026-07-21 12:18:43.661743661 +0000 UTC m=+147419.503629054.

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