

Sarcosylsarcosine, N-propoxycarbonyl-, hexyl ester

Inchi: InChI=1S/C16H30N2O5/c1-5-7-8-9-11-22-15(20)13-17(3)14(19)12-18(4)16(21)23-10-6-2
InchiKey: AHJGODUNJQTHMQ-UHFFFAOYSA-N
Formula: C16H30N2O5
SMILES: CCCCCCOC(=O)CN(C)C(=O)CN(C)C(=O)OCCC
Mol. weight [g/mol]: 330.42

Physical Properties

Property code	Value	Unit	Source
hfus	50.41	kJ/mol	Joback Method
hvap	92.03	kJ/mol	Cheméo Relay (1.0)
log10ws	-2.13		Cheméo Relay (1.0)
logp	2.047		Crippen Method
mcvol	272.710	ml/mol	McGowan Method
rinpol	2310.00		NIST Webbook
rinpol	2310.00		NIST Webbook
tb	603.88	K	Cheméo Relay (1.0)
tf	284.46	K	Cheméo Relay (1.0)

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	839.49	J/mol×K	796.81	Joback Method
cpg	855.06	J/mol×K	827.71	Joback Method
cpg	869.68	J/mol×K	858.61	Joback Method
cpg	883.36	J/mol×K	889.51	Joback Method
cpg	896.12	J/mol×K	920.41	Joback Method
cpg	907.98	J/mol×K	951.31	Joback Method
cpg	918.96	J/mol×K	982.21	Joback Method

Sources

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):	
Cheméo Relay (1.0, beta):	
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=U320639&Units=SI

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/118-885-9/Sarcosylsarcosine-N-propoxycarbonyl-hexyl-ester.pdf>

Generated by Cheméo on 2026-07-22 01:38:42.545704706 +0000 UTC m=+195418.387590154.

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