

Sarcosylsarcosine, N-propoxycarbonyl-, octyl ester

Inchi:	InChI=1S/C18H34N2O5/c1-5-7-8-9-10-11-13-24-17(22)15-19(3)16(21)14-20(4)18(23)25-
InchiKey:	YMIWANUKUFZ NJH-UHFFFAOYSA-N
Formula:	C18H34N2O5
SMILES:	CCCCCCCCOC(=O)CN(C)C(=O)CN(C)C(=O)OCCC
Mol. weight [g/mol]:	358.48

Physical Properties

Property code	Value	Unit	Source
hfus	55.59	kJ/mol	Joback Method
hvap	98.99	kJ/mol	Cheméo Relay (1.0)
log10ws	-2.94		Cheméo Relay (1.0)
logp	2.827		Crippen Method
mcvol	300.890	ml/mol	McGowan Method
rinpol	2481.00		NIST Webbook
tb	618.88	K	Cheméo Relay (1.0)
tf	290.92	K	Cheméo Relay (1.0)

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	957.48	J/mol×K	842.57	Joback Method
cpg	973.80	J/mol×K	874.35	Joback Method
cpg	989.06	J/mol×K	906.13	Joback Method
cpg	1003.26	J/mol×K	937.91	Joback Method
cpg	1016.44	J/mol×K	969.69	Joback Method
cpg	1028.62	J/mol×K	1001.47	Joback Method
cpg	1039.84	J/mol×K	1033.26	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=U320641&Units=SI

Legend

cpg:	Ideal gas heat capacity
hfus:	Enthalpy of fusion at standard conditions
hvac:	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/23-863-8/Sarcosylsarcosine-N-propoxycarbonyl-octyl-ester.pdf>

Generated by Cheméo on 2026-07-22 03:22:21.699147507 +0000 UTC m=+201637.541032892.

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