

Tripropylene glycol diacrylate

Other names:	propane-1,3-diylbis(oxypropane-1,3-diyl) diacrylate
Inchi:	InChI=1S/C15H24O6/c1-6-14(16)20-9-12(4)18-8-11(3)19-10-13(5)21-15(17)7-2/h6-7,11-
InchiKey:	LJRSZGKUUZPHEB-UHFFFAOYSA-N
Formula:	C15H24O6
SMILES:	C=CC(=O)OCC(C)OCC(C)OCC(C)OC(=O)C=C
Mol. weight [g/mol]:	300.35
CAS:	68901-05-3

Physical Properties

Property code	Value	Unit	Source
gf	-434.06	kJ/mol	Joback Method
hf	-871.95	kJ/mol	Joback Method
hfus	29.43	kJ/mol	Joback Method
hvap	69.61	kJ/mol	Joback Method
log10ws	-2.04		Crippen Method
logp	1.643		Crippen Method
mcvol	240.230	ml/mol	McGowan Method
pc	1610.29	kPa	Joback Method
tb	732.06	K	Joback Method
tc	919.16	K	Joback Method
tf	399.07	K	Joback Method
vc	0.903	m3/kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	687.93	J/mol×K	732.06	Joback Method
cpg	703.17	J/mol×K	763.24	Joback Method
cpg	717.53	J/mol×K	794.43	Joback Method
cpg	731.01	J/mol×K	825.61	Joback Method
cpg	743.60	J/mol×K	856.79	Joback Method
cpg	755.30	J/mol×K	887.98	Joback Method
cpg	766.09	J/mol×K	919.16	Joback Method
dvisc	0.0011551	Pa×s	399.07	Joback Method

dvisc	0.0005077	Pa×s	454.57	Joback Method
dvisc	0.0002669	Pa×s	510.07	Joback Method
dvisc	0.0001592	Pa×s	565.57	Joback Method
dvisc	0.0001041	Pa×s	621.06	Joback Method
dvisc	0.0000730	Pa×s	676.56	Joback Method
dvisc	0.0000540	Pa×s	732.06	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=C68901053&Units=SI

Legend

cpg:	Ideal gas heat capacity
dvisc:	Dynamic viscosity
gf:	Standard Gibbs free energy of formation
hf:	Enthalpy of formation at standard conditions
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
mccvol:	McGowan's characteristic volume
pc:	Critical Pressure
tb:	Normal Boiling Point Temperature
tc:	Critical Temperature
tf:	Normal melting (fusion) point
vc:	Critical Volume

Latest version available from:

<https://www.chemeo.com/cid/93-397-9/Tripropylene-glycol-diacrylate.pdf>

Generated by Cheméo on 2025-12-05 16:47:37.541827244 +0000 UTC m=+4701455.071867935.

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