

Tricyclo[4.3.1.1^{2,5}]undec-3-ene, (1⁹⁴⁵;;2⁹⁴⁶;;5⁹⁴⁶;;6⁹⁴⁵;-

Other names: Tricyclo[4.3.1.1
Inchi: InChI=1S/C11H16/c1-2-8-6-9(3-1)11-5-4-10(8)7-11/h4-5,8-11H,1-3,6-7H2
InchiKey: JPAKHMXXDKQUSA-UHFFFAOYSA-N
Formula: C11H16
SMILES: C1=CC2CC1C1CCCC2C1
Mol. weight [g/mol]: 148.24
CAS: 85523-04-2

Physical Properties

Property code	Value	Unit	Source
gf	222.04	kJ/mol	Joback Method
hf	-26.85	kJ/mol	Joback Method
hfus	16.74	kJ/mol	Joback Method
hvap	40.15	kJ/mol	Joback Method
log10ws	-3.00		Crippen Method
logp	2.999		Crippen Method
mcvol	128.970	ml/mol	McGowan Method
pc	2982.79	kPa	Joback Method
tb	474.33	K	Joback Method
tc	695.60	K	Joback Method
tf	257.03	K	Joback Method
vc	0.491	m3/kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	303.53	J/mol×K	474.33	Joback Method
cpg	325.08	J/mol×K	511.21	Joback Method
cpg	345.10	J/mol×K	548.09	Joback Method
cpg	363.69	J/mol×K	584.97	Joback Method
cpg	380.95	J/mol×K	621.85	Joback Method
cpg	396.98	J/mol×K	658.72	Joback Method
cpg	411.89	J/mol×K	695.60	Joback Method
dvisc	0.0008654	Pa×s	257.03	Joback Method

dvisc	0.0009159	Pa×s	293.25	Joback Method
dvisc	0.0009573	Pa×s	329.46	Joback Method
dvisc	0.0009919	Pa×s	365.68	Joback Method
dvisc	0.0010212	Pa×s	401.90	Joback Method
dvisc	0.0010463	Pa×s	438.11	Joback Method
dvisc	0.0010680	Pa×s	474.33	Joback Method

Sources

NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C85523042&Units=SI
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

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
mcvol:	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/76-296-0/Tricyclo-4-3-1-1-sup-2-5-sup-undec-3-ene-1and-945-2and-946-5and-946-6an>

Generated by Cheméo on 2025-12-23 01:47:03.777236859 +0000 UTC m=+6202621.307277514.

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