

3-Ethyl-3-methyl-tricosane

Inchi:

InchiKey:

Formula:

SMILES:

Mol. weight [g/mol]:

InChI=1S/C26H54/c1-5-8-9-10-11-12-13-14-15-16-17-18-19-20-21-22-23-24-25-26(4,6-2

SELKTJUXRDBAPG-UHFFFAOYSA-N

C26H54

CCCCCCCCCCCCCCCCCCCC(C)(CC)CC

366.71

Physical Properties

Property code	Value	Unit	Source
gf	170.88	kJ/mol	Joback Method
hf	-588.72	kJ/mol	Joback Method
hfus	55.68	kJ/mol	Joback Method
hvap	72.17	kJ/mol	Joback Method
log10ws	-10.46		Crippen Method
logp	10.244		Crippen Method
mcvol	377.200	ml/mol	McGowan Method
pc	732.44	kPa	Joback Method
rinpol	2565.00		NIST Webbook
rinpol	2565.00		NIST Webbook
tb	791.05	K	Joback Method
tc	969.07	K	Joback Method
tf	385.20	K	Joback Method
vc	1.480	m3/kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	1216.77	J/mol×K	791.05	Joback Method
cpg	1324.96	J/mol×K	939.40	Joback Method
cpg	1305.38	J/mol×K	909.73	Joback Method
cpg	1284.83	J/mol×K	880.06	Joback Method
cpg	1263.25	J/mol×K	850.39	Joback Method
cpg	1240.59	J/mol×K	820.72	Joback Method
cpg	1343.62	J/mol×K	969.07	Joback Method
dvisc	0.0000352	Pa×s	791.05	Joback Method

dvisc	0.0000502	Pa×s	723.41	Joback Method
dvisc	0.0000770	Pa×s	655.77	Joback Method
dvisc	0.0001303	Pa×s	588.12	Joback Method
dvisc	0.0002527	Pa×s	520.48	Joback Method
dvisc	0.0005977	Pa×s	452.84	Joback Method
dvisc	0.0019122	Pa×s	385.20	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=R415364&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
mcvol:	McGowan's characteristic volume
pc:	Critical Pressure
rinpol:	Non-polar retention indices
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/77-292-3/3-Ethyl-3-methyl-tricosane.pdf>

Generated by Cheméo on 2025-12-05 08:36:05.780692094 +0000 UTC m=+4671963.310732747.

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