as-Indacene, dodecahydro-4-(1-octylnonyl)-

Other names: 5-(1'-n-Octylnonyl)-(dodecahydro(as)indacene)
9-(4-as-Perhydroindacenyl)heptadecane
9-(4'-as-Decahydroindacenyl)heptadecane
Inchi: InChI=1S/C29H54/c1-3-5-7-9-11-13-17-24(18-14-12-10-8-6-4-2)29-23-25-19-15-20-26(25
InchiKey: JSKCOAYGYKRYTA-UHFFFAOYSA-N
Formula: C29H54
SMILES: CCCCCCCCC(CCCCCCCC)C1CC2CCCC2C2CCCC12
Mol. weight [g/mol]: 402.75

Physical Properties

Property code	Value	Unit	Source
hfus	57.59	kJ/mol	Joback Method
logp	9.956		Crippen Method
mcvol	386.890	ml/mol	McGowan Method
tf	309.05	K	Cheméo Relay (1.0)

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	1391.85	J/mol×K	886.17	Joback Method
cpg	1527.57	J/mol×K	1087.30	Joback Method
cpg	1507.75	J/mol×K	1053.78	Joback Method
cpg	1486.96	J/mol×K	1020.26	Joback Method
cpg	1465.08	J/mol×K	986.74	Joback Method
cpg	1442.01	J/mol×K	953.21	Joback Method
cpg	1417.64	J/mol×K	919.69	Joback Method
dvisc	0.0008788	Pa×s	661.27	Joback Method
dvisc	0.0004618	Pa×s	886.17	Joback Method
dvisc	0.0005501	Pa×s	811.20	Joback Method
dvisc	0.0006789	Pa×s	736.24	Joback Method
dvisc	0.0032450	Pa×s	436.37	Joback Method
dvisc	0.0012151	Pa×s	586.30	Joback Method
dvisc	0.0018478	Pa×s	511.34	Joback Method

Sources

NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C55530513&Units=SI
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):	

Legend

cpg:	Ideal gas heat capacity
dvisc:	Dynamic viscosity
hfus:	Enthalpy of fusion at standard conditions
logp:	Octanol/Water partition coefficient
mcvol:	McGowan's characteristic volume
tf:	Normal melting (fusion) point