Benzene, 1-isopropyl-3,5-dipropyl

Inchi: InChI=1S/C15H24/c1-5-7-13-9-14(8-6-2)11-15(10-13)12(3)4/h9-12H,5-8H2,1-4H3
InchiKey: PBFVIHCLUVKHFV-UHFFFAOYSA-N
Formula: C15H24
SMILES: CCCc1cc(CCC)cc(C(C)C)c1
Mol. weight [g/mol]: 204.36

Physical Properties

Property code	Value	Unit	Source
hfus	24.35	kJ/mol	Joback Method
hvap	67.81	kJ/mol	Cheméo Relay (1.0)
ie	8.16	eV	Cheméo Relay (1.0)
logp	4.715		Crippen Method
mcvol	198.450	ml/mol	McGowan Method
tb	531.26	K	Cheméo Relay (1.0)
tf	229.53	K	Cheméo Relay (1.0)

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	493.80	J/mol×K	578.80	Joback Method
cpg	591.72	J/mol×K	776.15	Joback Method
cpg	577.53	J/mol×K	743.26	Joback Method
cpg	562.52	J/mol×K	710.37	Joback Method
cpg	546.68	J/mol×K	677.48	Joback Method
cpg	529.97	J/mol×K	644.58	Joback Method
cpg	512.35	J/mol×K	611.69	Joback Method
dvisc	0.0003833	Pa×s	437.03	Joback Method
dvisc	0.0001485	Pa×s	578.80	Joback Method
dvisc	0.0001926	Pa×s	531.54	Joback Method
dvisc	0.0002628	Pa×s	484.29	Joback Method
dvisc	0.0024583	Pa×s	295.27	Joback Method
dvisc	0.0006129	Pa×s	389.78	Joback Method
dvisc	0.0011153	Pa×s	342.52	Joback Method

Sources

NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=R305683&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
hvap:	Enthalpy of vaporization at standard conditions
ie:	Ionization energy
logp:	Octanol/Water partition coefficient
mcvol:	McGowan's characteristic volume
tb:	Normal Boiling Point Temperature
tf:	Normal melting (fusion) point