

1,4-Di-t-butyl-2,5-dimethoxybenzene

Other names:	1,4-di-t-Butyl-2,5-dimethoxybenzene 1,4-di-tert-Butyl-2,5-dimethoxybenzene Benzene, 1,4-bis(1,1-dimethylethyl)-2,5-dimethoxy-
Inchi:	InChI=1S/C16H26O2/c1-15(2,3)11-9-14(18-8)12(16(4,5)6)10-13(11)17-7/h9-10H,1-8H3
InchiKey:	ATGCJUULFWEPY-UHFFFAOYSA-N
Formula:	C16H26O2
SMILES:	COc1cc(C(C)(C)C)c(OC)cc1C(C)(C)C
Mol. weight [g/mol]:	250.38

Physical Properties

Property code	Value	Unit	Source
hfus	17.62	kJ/mol	Joback Method
logp	4.299		Crippen Method
mcvol	224.280	ml/mol	McGowan Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	609.30	J/mol×K	645.48	Joback Method
cpg	708.50	J/mol×K	855.22	Joback Method
cpg	694.51	J/mol×K	820.26	Joback Method
cpg	679.57	J/mol×K	785.30	Joback Method
cpg	663.61	J/mol×K	750.35	Joback Method
cpg	646.61	J/mol×K	715.39	Joback Method
cpg	628.52	J/mol×K	680.44	Joback Method
dvisc	0.0001774	Pa×s	514.42	Joback Method
dvisc	0.0000682	Pa×s	645.48	Joback Method
dvisc	0.0000896	Pa×s	601.79	Joback Method
dvisc	0.0001227	Pa×s	558.11	Joback Method
dvisc	0.0008872	Pa×s	383.36	Joback Method
dvisc	0.0002746	Pa×s	470.73	Joback Method
dvisc	0.0004649	Pa×s	427.05	Joback Method

Sources

Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws
Cheméo Relay (1.0):	
Cheméo Relay (1.0, beta):	
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C7323639&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

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

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