1H-Benzimidazole, 2-(1-methylethyl)-

Other names:	Benzimidazole, 2-isopropyl-
	2-Isopropylbenzimidazole
	2-Isopropyl-1H-benzo[d]imidazole
Inchi:	InChI=1S/C10H12N2/c1-7(2)10-11-8-5-3-4-6-9(8)12-10/h3-7H,1-2H3,(H,11,12)
InchiKey:	RITUGMAIQCZEOG-UHFFFAOYSA-N
Formula:	C10H12N2
SMILES:	CC(C)c1nc2ccccc2[nH]1
Mol. weight [g/mol]:	160.22
CAS:	5851-43-4

Physical Properties

Property code	Value	Unit	Source
hsub	109.90 ± 2.70	kJ/mol	NIST Webbook
log10ws	-3.45		Crippen Method
logp	2.204		Crippen Method
mcvol	132.800	ml/mol	McGowan Method

Sources

NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C5851434&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307l
Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws
McGowan Method:	http://link.springer.com/article/10.1007/BF02311772

Legend

hsub:	Enthalpy of sublimation at standard conditions
log10ws:	Log10 of Water solubility in mol/l
logp:	Octanol/Water partition coefficient
mcvol:	McGowan's characteristic volume