Quinoline, 5,6,7,8-tetrahydro-3-methyl-

Other names: 3-Methyl-5,6,7,8-tetrahydroquinoline
5,6,7,8-Tetrahydro-3-methylquinoline
Inchi: InChI=1S/C10H13N/c1-8-6-9-4-2-3-5-10(9)11-7-8/h6-7H,2-5H2,1H3
InchiKey: GMMKZUPOLVXWFF-UHFFFAOYSA-N
Formula: C10H13N
SMILES: Cc1cnc2c(c1)CCCC2
Mol. weight [g/mol]: 147.22
CAS: 28712-62-1

Physical Properties

Property code	Value	Unit	Source
log10ws	-3.21		Crippen Method
logp	2.269		Crippen Method
mcvol	127.120	ml/mol	McGowan Method
rinpol	1330.20		NIST Webbook
rinpol	1338.60		NIST Webbook
rinpol	1343.70		NIST Webbook
rinpol	1301.00		NIST Webbook
rinpol	1301.00		NIST Webbook
rinpol	1343.70		NIST Webbook
rinpol	1330.20		NIST Webbook
rinpol	1338.60		NIST Webbook

Pressure Dependent Properties

Property code	Value	Unit	Pressure [kPa]	Source
tbrp	386.70	K	1.00	NIST Webbook

Sources

McGowan Method: http://link.springer.com/article/10.1007/BF02311772

NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C28712621&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307l
Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws

Legend

log10ws:	Log10 of Water solubility in mol/l
logp:	Octanol/Water partition coefficient
mcvol:	McGowan's characteristic volume
rinpol:	Non-polar retention indices
tbrp:	Boiling point at reduced pressure