2-METHYL-8-QUINOLINAMINE

Other names: 8-Quinolinamine, 2-methyl-
Inchi: InChI=1S/C10H10N2/c1-7-5-6-8-3-2-4-9(11)10(8)12-7/h2-6H,11H2,1H3
InchiKey: JHIAOWGCGNMQKA-UHFFFAOYSA-N
Formula: C10H10N2
SMILES: Cc1ccc2cccc(N)c2n1
Mol. weight [g/mol]: 158.20

Physical Properties

Property code	Value	Unit	Source
af	0.5247		Cheméo Relay (1.0)
hf	147.61	kJ/mol	Cheméo Relay (1.0)
hvap	75.56	kJ/mol	Cheméo Relay (1.0)
ie	7.64	eV	Cheméo Relay (1.0)
log10ws	-1.71		Cheméo Relay (1.0)
logp	2.125		Crippen Method
mcvol	128.500	ml/mol	McGowan Method
pc	4025.83	kPa	Cheméo Relay (1.0, beta)
tb	584.73	K	Cheméo Relay (1.0)
tc	859.38	K	Cheméo Relay (1.0)
tf	361.88	K	Cheméo Relay (1.0)

Sources

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):
NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=C18978784&Units=SI

Legend

af:	Acentric Factor
hf:	Enthalpy of formation at standard conditions
hvap:	Enthalpy of vaporization at standard conditions
ie:	Ionization energy
log10ws:	Log10 of Water solubility in mol/l
logp:	Octanol/Water partition coefficient
mcvol:	McGowan's characteristic volume
pc:	Critical Pressure
tb:	Normal Boiling Point Temperature
tc:	Critical Temperature
tf:	Normal melting (fusion) point

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