Quinoxaline, 2,3-dimethyl-

Other names: 2,3-Dimethylquinoxaline
Inchi: InChI=1S/C10H10N2/c1-7-8(2)12-10-6-4-3-5-9(10)11-7/h3-6H,1-2H3
InchiKey: FKHNZQFCDGOQGV-UHFFFAOYSA-N
Formula: C10H10N2
SMILES: Cc1nc2ccccc2nc1C
Mol. weight [g/mol]: 158.20
CAS: 2379-55-7

Physical Properties

Property code	Value	Unit	Source
chs	-5451.30 ± 2.00	kJ/mol	NIST Webbook
hf	172.90 ± 3.00	kJ/mol	NIST Webbook
hfs	87.10 ± 2.40	kJ/mol	NIST Webbook
hsub	87.80 ± 0.40	kJ/mol	NIST Webbook
hsub	85.80	kJ/mol	NIST Webbook
hsub	85.80 ± 1.80	kJ/mol	NIST Webbook
hsub	85.80 ± 1.80	kJ/mol	NIST Webbook
log10ws	-3.76		Crippen Method
logp	2.247		Crippen Method
mcvol	128.500	ml/mol	McGowan Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
hfust	22.35	kJ/mol	379.50	NIST Webbook
hsubt	87.70 ± 0.40	kJ/mol	301.00	NIST Webbook

Sources

Crippen Method: https://www.chemeo.com/doc/models/crippen_log10ws
McGowan Method: http://link.springer.com/article/10.1007/BF02311772

NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=C2379557&Units=SI

Crippen Method: http://pubs.acs.org/doi/abs/10.1021/ci990307l

Legend

chs:	Standard solid enthalpy of combustion
hf:	Enthalpy of formation at standard conditions
hfs:	Solid phase enthalpy of formation at standard conditions
hfust:	Enthalpy of fusion at a given temperature
hsub:	Enthalpy of sublimation at standard conditions
hsubt:	Enthalpy of sublimation at a given temperature
log10ws:	Log10 of Water solubility in mol/l
logp:	Octanol/Water partition coefficient
mcvol:	McGowan's characteristic volume