Sulfachlorpyridazine

Other names:	3-chloro-6-sulfanilamidopyridazine
	4-amino-N-(6-chloropyridazin-3-yl)benzenesulfonamide
Inchi:	InChI=1S/C10H9ClN4O2S/c11-9-5-6-10(14-13-9)15-18(16,17)8-3-1-7(12)2-4-8/h1-6H,12
InchiKey:	XOXHILFPRYWFOD-UHFFFAOYSA-N
Formula:	C10H9ClN4O2S
SMILES:	Nc1ccc(S(=O)(=O)Nc2ccc(Cl)nn2)cc1
Mol. weight [g/mol]:	284.73

Physical Properties

Property code	Value	Unit	Source
hvap	123.49	kJ/mol	Cheméo Relay (1.0)
log10ws	-2.96		Cheméo Relay (1.0)
logp	1.513		Crippen Method
mcvol	184.490	ml/mol	McGowan Method
tf	475.35	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):	
Solubility of Sulfachloropyridazine in Pure and Binary Solvent Mixtures and Investigation of Intermolecular Interactions:	https://www.doi.org/10.1021/acs.jced.7b01134
Solubility Measurement and Correlation of Probenecid in 12 Pure Organic Solvents and Thermodynamic Properties of Mixing of Solutions:	https://www.doi.org/10.1021/acs.jced.8b00863

Legend

hvap:	Enthalpy of vaporization at standard conditions
log10ws:	Log10 of Water solubility in mol/l
logp:	Octanol/Water partition coefficient

mcvol:	McGowan's characteristic volume
tf:	Normal melting (fusion) point