4-Amino-6-chlorobenzene-1,3-disulfonamide

Other names:	5-Chloro-2,4-disulfamylaniline
	m-Chloroaniline-4,6-disulfonamide
	1-Amino-3-chloro-4,6-benzenedisulfonamide
	1,3-Benzenedisulfonamide, 4-amino-6-chloro-
	m-Benzenedisulfonamide, 4-amino-6-chloro-
	Chloraminophenamide
	Chloroaminophenamide
	Idorese
	Salamid
	Salmid
	Su 5683
	3-Chloro-4,6-disulfamoylaniline
	4-Amino-6-chloro-m-benzenedisulfonamide
	5-Chloro-2,4-disulfamoylaniline
	4-Amino-6-chloro-1,3-benzenedisulfonamide
	1,3-Disulfonamide, 4-amino-6-chlorobenzene-
	4-amino-6-chlorobenzene-1,3-disulphonamide
Inchi:	InChI=1S/C6H8ClN3O4S2/c7-3-1-4(8)6(16(10,13)14)2-5(3)15(9,11)12/h1-2H,8H2,(H2,9,
InchiKey:	IHJCXVZDYSXXFT-UHFFFAOYSA-N
Formula:	C6H8ClN3O4S2
SMILES:	Nc1cc(Cl)c(S(N)(=O)=O)cc1S(N)(=O)=O
Mol. weight [g/mol]:	285.73
CAS:	121-30-2

Physical Properties

Property code	Value	Unit	Source
gf	-666.50	kJ/mol	Joback Method
hf	-786.12	kJ/mol	Joback Method
hfus	46.71	kJ/mol	Joback Method
hvap	106.79	kJ/mol	Joback Method
log10ws	-1.19		Crippen Method
logp	-0.783		Crippen Method
mcvol	170.000	ml/mol	McGowan Method
pc	8833.17	kPa	Joback Method
tb	728.88	K	Joback Method
tc	962.82	K	Joback Method
tf	578.18	K	Joback Method

vc	0.651	m3/kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	415.95	J/mol×K	728.88	Joback Method
cpg	424.72	J/mol×K	767.87	Joback Method
cpg	432.52	J/mol×K	806.86	Joback Method
cpg	439.32	J/mol×K	845.85	Joback Method
cpg	445.09	J/mol×K	884.84	Joback Method
cpg	449.80	J/mol×K	923.83	Joback Method
cpg	453.44	J/mol×K	962.82	Joback Method

Sources

Joback Method:	https://en.wikipedia.org/wiki/Joback_method
McGowan Method:	http://link.springer.com/article/10.1007/BF02311772
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C121302&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307l
Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws

Legend

cpg:	Ideal gas heat capacity
gf:	Standard Gibbs free energy of formation
hf:	Enthalpy of formation at standard conditions
hfus:	Enthalpy of fusion at standard conditions
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
pc:	Critical Pressure
tb:	Normal Boiling Point Temperature
tc:	Critical Temperature
tf:	Normal melting (fusion) point

vc: Critical Volume