

Sulfamethoxypyridazine

Other names:

- 3-(4-Aminobenzenesulfonamido)-6-methoxypyridazine
- 3-(p-Aminobenzenesulfamido)-6-methoxypyridazine
- 3-Methoxy-6-sulfanilamidopyridazine
- 3-Methoxy-6-sulfanylamidopyridazine
- 3-Sulfa-6-methoxypyridazine
- 3-Sulfanilamide-6-methoxypyridazine
- 3-Sulfanilamido-6-methoxypyridazine
- 3-p-Aminobenzenesulphonamido-6-methoxypyridazine
- 4-Amino-N-(6-methoxy-3-pyridazinyl)-benzenesulfonamide
- 4-Amino-N-(6-methoxy-3-pyridazinyl)benzenesulfonamide (sulphamethoxypyridazine)
- 6-Methoxy-3-pyridazinylsulfanilamide
- 6-Methoxy-3-sulfanilamidopyridazine
- 6-Sulfanilamido-3-methoxypyridazine
- Altezol
- Benzenesulfonamide, 4-amino-N-(6-methoxy-3-pyridazinyl)-
- CL 13494
- Davosin
- Depovernil
- Durox
- Kineks
- Kinex
- Kynex
- Lederkyn
- Lentac
- Lisulfen
- Longin
- Medicel
- Midicel
- Midikel
- Myasul
- N1-(6-Methoxy-3-pyridazinyl)sulfanilamide
- Opinsul
- Paramid
- Paramid Supra
- Petrisul
- Piridolo
- Pyridazine, sulfamethoxy-
- Quinoseptyl
- RP 7522
- Retamid

Retasulfin
Retasulphine
SMOP
Slosul
Spofadazine
Sulfalex
Sulfametoxipiridazine
Sulfanilamide, N1-(6-methoxy-3-pyridazinyl)-
Sulfapyridazine
Sulfdurazin
Sulfozona
Sulphamethoxypyridazine
Sultirene
Vinces

Inchi: InChI=1S/C11H12N4O3S/c1-18-11-7-6-10(13-14-11)15-19(16,17)9-4-2-8(12)3-5-9/h2-7H
InchiKey: VLYWMPOKSSWJAL-UHFFFAOYSA-N
Formula: C11H12N4O3S
SMILES: COc1ccc(NS(=O)(=O)c2ccc(N)cc2)nn1
Mol. weight [g/mol]: 280.30
CAS: 80-35-3

Physical Properties

Property code	Value	Unit	Source
log10ws	-3.28		Aqueous Solubility Prediction Method
logp	0.868		Crippen Method
mcvol	192.210	ml/mol	McGowan Method
tf	455.65	K	Aqueous Solubility Prediction Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
hfust	22.30	kJ/mol	453.40	NIST Webbook

Sources

McGowan Method: <http://link.springer.com/article/10.1007/BF02311772>
NIST Webbook: <http://webbook.nist.gov/cgi/cbook.cgi?ID=C80353&Units=SI>
Crippen Method: <http://pubs.acs.org/doi/abs/10.1021/ci990307I>
Aqueous Solubility Prediction Method: <http://onschallenge.wikispaces.com/file/view/AqueousDataset002.xlsx/351826032/AqueousDa>

Legend

hfust: Enthalpy of fusion at a given temperature
log10ws: Log10 of Water solubility in mol/l
logp: Octanol/Water partition coefficient
mcvol: McGowan's characteristic volume
tf: Normal melting (fusion) point

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