Sulthiame

Other names:	Benzenesulfonamide, 4-(tetrahydro-2H-1,2-thiazin-2-yl)-, S,S-dioxide
	Benzenesulfonamide, p-(tetrahydro-2H-1,2-thiazin-2-yl)-, dioxide
	Bayer A-168
	Conadil
	Contravul
	Elisal
	Ospolot
	R-594
	Riker 594
	RP-10284
	2-(p-Sulfamoylphenyl)-tetrahydro-2H-1,2-thiazine 1,1-dioxide
	Sulphenyltame
	Sulthiamine
	Sultiame
	Sultiamum
	p-(Tetrahydro-2H-1,2-thiazin-2-yl)benzenesulfonamide, S,S-dioxide
	2H-1,2-Thiazine, tetrahydro-2-(p-sulfamoylphenyl)-, 1,1-dioxide
	Trolone
	p-(Tetrahydro-2H-1,2-thiazin-2-yl)benzenesulfonamide dioxide
Inchi:	InChI=1S/C10H14N2O4S2/c11-18(15,16)10-5-3-9(4-6-10)12-7-1-2-8-17(12,13)14/h3-6H
InchiKey:	HMHVCUVYZFYAJI-UHFFFAOYSA-N
Formula:	C10H14N2O4S2
SMILES:	NS(=O)(=O)c1ccc(N2CCCCS2(=O)=O)cc1
Mol. weight [g/mol]:	290.36
CAS:	61-56-3

Physical Properties

Property code	Value	Unit	Source
log10ws	-1.63		Crippen Method
logp	0.264		Crippen Method
mcvol	193.280	ml/mol	McGowan Method
rinpol	3000.00		NIST Webbook

Sources

Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307l
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=C61563&Units=SI

Legend

log10ws:	Log10 of Water solubility in mol/l
logp:	Octanol/Water partition coefficient
mcvol:	McGowan's characteristic volume
rinpol:	Non-polar retention indices