

Chlorsulfuron

Other names:

Benzenesulfonamide,
2-chloro-N-[[4-methoxy-6-methyl-1,3,5-triazin-2-yl]amino]carbonyl]-
Urea, 1-((o-chlorophenyl)sulfonyl)-3-(4-methoxy-6-methyl-s-triazin-2-yl)-
2-Chloro-N-((4-methoxy-6-methyl-1,3,5-triazin-2-yl)aminocarbonyl)-benzenesulfonamide
1-((o-Chlorophenyl)sulfonyl)-3-(4-methoxy-6-methyl-s-triazin-2-yl)urea
Chlorsulfon
Glean
Glean 20FF
Telar
2-[[[(2-Chlorophenyl)sulfonyl]amino]carbonyl]amino]-4-methoxy-6-methyl-1,3,5-triazine
DPX 4189
Tuligen
79793-04-7 (ammonium salt)
2-chloro-N-[[4-methoxy-6-methyl-1,3,5-triazin-2-yl]amino]carbonyl]benzenesulphonamide

Inchi: InChI=1S/C12H12ClN5O4S/c1-7-14-10(17-12(15-7)22-2)16-11(19)18-23(20,21)9-6-4-3-5
InchiKey: VJYIFXVZLXQVHO-UHFFFAOYSA-N
Formula: C12H12ClN5O4S
SMILES: COc1nc(C)nc(NC(=O)NS(=O)(=O)c2ccccc2Cl)n1
Mol. weight [g/mol]: 357.77
CAS: 64902-72-3

Physical Properties

Property code	Value	Unit	Source
log10ws	-3.92		Crippen Method
logp	1.352		Crippen Method
mcpvol	230.090	ml/mol	McGowan Method

Sources

Crippen Method: <http://pubs.acs.org/doi/abs/10.1021/ci9903071>
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=C64902723&Units=SI>

Legend

log10ws:	Log10 of Water solubility in mol/l
logp:	Octanol/Water partition coefficient
mcvol:	McGowan's characteristic volume

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