

Phthalylsulfathiazole

Other names: 4'-(2-Thiazolylsulfamyl)phthalanilic acid
Benzoic acid, 2-[[[4-[(2-thiazolylamino)sulfonyl]phenyl]amino]carbonyl]-
(o-Carboxybenzoyl)-p-aminophenylsulfonamidothiazole
AFI-Ftalyl
Cremothalidine
Enteramida
Entero-sulfina
Entexidina
Ftalazol
Ftalil-Esteve
Ftalil-Septol
Ftalysept
Intestiazol
Phtalazol
Phthalanilic acid, 4'-(2-thiazolylsulfamoyl)-
Phthalazol
Phthalazole
Phthalidin
Phthaloylsulfathiazole
Phthalylnorsulfazole
Phthalylsulfonazole
Sulfacetil
Sulfanilamide, N4-(o-carboxybenzoyl)-N'-2-thiazolyl-
Sulfaphthalazole
Sulfathalidine
Sulftalyl
Sulphaphthalyl
Taleudron
Talidine
Taloudron
Thalazole
Thalinil
Thalistanin
Thalostatyl
Ultrathiazol
2-(p-N-Phthalylsulfanilyl)aminothiazole
2-(p-Phthalylaminobenzenesulfamido)thiazole
2-(N4-phthalylaminobenzenesulfonamido)thiazole
2-(N4-phthalylsulfanilamido)thiazole
2-(N4-Phthalylaminobenzenesulfonamide)thiazole

4'-(2-Thiazolylsulfamoyl)phthalanilic acid

Ftalylsulfathiazol

Phthalylsulphathiazole

NSC 66454

NSC 683525

Inchi:

InChI=1S/C17H13N3O5S2/c21-15(13-3-1-2-4-14(13)16(22)23)19-11-5-7-12(8-6-11)27(2

InchiKey:

PBMSWVPMRUJMPE-UHFFFAOYSA-N

Formula:

C17H13N3O5S2

SMILES:

O=C(O)c1ccccc1C(=O)Nc1ccc(S(=O)(=O)Nc2nccs2)cc1

Mol. weight [g/mol]:

403.43

CAS:

85-73-4

Physical Properties

Property code	Value	Unit	Source
log10ws	-4.54		Crippen Method
logp	2.894		Crippen Method
mcvol	266.800	ml/mol	McGowan Method

Sources

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=C85734&Units=SI>

Crippen Method:

<http://pubs.acs.org/doi/abs/10.1021/ci9903071>

Legend

log10ws: Log10 of Water solubility in mol/l

logp: Octanol/Water partition coefficient

mcvol: McGowan's characteristic volume

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<https://www.chemeo.com/cid/108-580-8/Phthalylsulfathiazole.pdf>

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