

PHTHALYLSULPHATHIAZOLE

Other names:	4'-(2-Thiazolylsulfamyl)phthalanilic acid
	Benzoic acid, 2-[[[4-[(2-thiazolylamino)sulfonyl]phenyl]amino]carbonyl]-(o-Carboxybenzoyl)-p-aminophenylsulfonamidothiazole
	(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
	Thalistatyl
	Ultratiazol
	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]:

403.44

Physical Properties

Property code	Value	Unit	Source
log10ws	-3.61		Cheméo Relay (1.0)
logp	2.894		Crippen Method
mcvol	266.800	ml/mol	McGowan Method
tf	544.16	K	Cheméo Relay (1.0)

Sources

Cheméo Relay (1.0, beta):

NIST Webbook:

<http://webbook.nist.gov/cgi/cbook.cgi?Str2File=C85734>

McGowan Method:

<http://link.springer.com/article/10.1007/BF02311772>

Crippen Method:

<http://pubs.acs.org/doi/abs/10.1021/ci990307l>

Crippen Method:

https://www.chemeo.com/doc/models/crippen_log10ws

Cheméo Relay (1.0):

Legend

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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