SULPIRIDE

Other names: (+) N-1-(ethylpyrrolidin-2-ylmethyl)-2-methoxy-5-sulfamoylbenzamide (sulpiride)
(.+/-.)-Sulpiride
5-(Aminosulfonyl)-N-((1-ethyl-2-pyrrolidinyl)methyl)-2-methoxybenzamide
Abilit
Aiglonyl
Benzamide, 5-(aminosulfonyl)-N-[(1-ethyl-2-pyrrolidinyl)methyl]-2-methoxy-
Coolspan
Dobren
Dogmatil
Dogmatyl
Dolmatil
Eglonyl
Guastil
Meresa
Miradol
Mirbanil
Misulvan
N-((1-Ethyl-2-pyrrolidinyl)methyl)-2-methoxy-5-sulfamoylbenzamide
N-((1-Ethyl-2-pyrrolidinyl)methyl)-5-sulfamoyl-o-anisamide
N-((1-ethylpyrrolidin-2-yl)methyl)-2-methoxy-5-sulfamoylbenzamide
Neogama
Omperan
Pyrikappl
Pyrkappl
R.D. 1403
RD 1403
Sernevin
Splotin
Sulpirid
Sulpitil
Sulpyrid
Sursumid
Synedil
Trilan
dl-Sulpiride
o-Anisamide, N-((1-ethyl-2-pyrrolidinyl)methyl)-5-sulfamoyl-

Inchi: InChI=1S/C15H23N3O4S/c1-3-18-8-4-5-11(18)10-17-15(19)13-9-12(23(16,20)21)6-7-14(

InchiKey: BGRJTUBHPOOWDU-UHFFFAOYSA-N

Formula: C15H23N3O4S

SMILES: CCN1CCCC1CNC(=O)c1cc(S(N)(=O)=O)ccc1OC

Mol. weight [g/mol]: 341.43

Physical Properties

Property code	Value	Unit	Source
log10ws	-2.75		Aqueous Solubility Prediction Method
logp	0.557		Crippen Method
mcvol	253.060	ml/mol	McGowan Method
rinpol	3074.00		NIST Webbook
rinpol	3074.00		NIST Webbook
tf	451.48	K	Aqueous Solubility Prediction Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
hfust	46.15	kJ/mol	451.00	NIST Webbook

Sources

McGowan Method: http://link.springer.com/article/10.1007/BF02311772

Crippen Method: http://pubs.acs.org/doi/abs/10.1021/ci990307l

Cheméo Relay (1.0):

Cheméo Relay (1.0, beta):

Solubility of Sulpiride in Pure Organic Solvents between (278 and 333) K: https://www.doi.org/10.1021/je1002016

Aqueous Solubility Prediction Method: http://onschallenge.wikispaces.com/file/view/AqueousDataset002.xlsx/351826032/AqueousDa

NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=C15676161&Units=SI

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
rinpol:	Non-polar retention indices
tf:	Normal melting (fusion) point