Dipyridamole

Other names:

2,2',2",2"'-(4,8-Dipiperidinopyrimido(5,4-d)pyrimidine-2,6-diyl)dinitrilotetraethanol
2,2',2",2"'-[(4,8-Dipiperidinylpyrimido[5,4-d]pyrimidine-2,6-diyl)dinitrilo]tetraethanol
2,6-Bis(diethanolamino)-4,8-dipiperidinopyrimido(5,4-d)pyrimidine
Agilease
Anginal
Apricor
Cardioflux
Cardoxil
Cardoxin
Chilcolan
Cleridium
Cleridium 150
Coribon
Coridil
Coronarine
Corosan
Coroxin
Curantyl
Dipiridamol
Dipyridamine
Dipyridamol
Dipyridan
Dipyudamine
Ethanol, 2,2',2",2"'-(4,8-dipiperidinopyrimido(5,4-d)pyrimidine-2,6-diyldinitrilo)tetra-
Ethanol, 2,2',2",2"'-[(4,8-di-1-piperidinylpyrimido[5,4-d]pyrimidine-2,6-diyl)dinitrilo]tetrakis-
Gulliostin
Justpertin
Kurantil
NSC-515776
Natyl
Peridamol
Permiltin
Persantin
Persantine
Piroan
Prandiol
Prandiol 75
Protangix
Pyrimidine, 2,6-bis(diethanolamino)-4,8-dipiperidino-pyrimido-(5,4-d)-
Pyrimido(5,4-d)pyrimidine, 2,6-bis(bis(2-hydroxyethyl)amino)-4,8-dipiperidino-

	RA 8
	Stenocardil
	Stenocardiol
	Stimolcardio
	USAF Ge-12
Inchi:	InChI=1S/C24H40N8O4/c33-15-11-31(12-16-34)23-26-20-19(21(27-23)29-7-3-1-4-8-29)2
InchiKey:	IZEKFCXSFNUWAM-UHFFFAOYSA-N
Formula:	C24H40N8O4
SMILES:	OCCN(CCO)c1nc(N2CCCCC2)c2nc(N(CCO)CCO)nc(N3CCCCC3)c2n1
Mol. weight [g/mol]:	504.63
CAS:	58-32-2

Physical Properties

Property code	Value	Unit	Source
log10ws	-5.16		Aqueous Solubility Prediction Method
logp	-0.018		Crippen Method
mcvol	387.400	ml/mol	McGowan Method

Sources

NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C58322&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307l
Aqueous Solubility Prediction Method:	http://onschallenge.wikispaces.com/file/view/AqueousDataset003.xlsx/351830174/AqueousDa
McGowan Method:	http://link.springer.com/article/10.1007/BF02311772

Legend

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