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]: 504.64

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

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):

Aqueous Solubility Prediction Method: http://onschallenge.wikispaces.com/file/view/AqueousDataset003.xlsx/351830174/AqueousDa

Legend

log10ws: Log10 of Water solubility in mol/l

logp: Octanol/Water partition coefficient

mcvol: McGowan's characteristic volume

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