

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-diyl)dinitrilo)tetra-
Ethanol,
2,2',2'',2'''-[(4,8-di-1-piperidinylpyrimido[5,4-d]pyrimidine-2,6-diyl)dinitrilo]tetrakis-
Güllöstin
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)

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/ci9903071>

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

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