

Folic acid

Other names:

4-Pteridinol, 2-amino-6-((p-((1,3-dicarboxypropyl)carbamoyl)anilino)methyl)-
Acifolic
Aspol
Cytofol
Facid
Folacid
Folacin
Folan
Folate
Folbal
Folcidin
Folcysteine
Foldine
Folettes
Foliamin
Folicet
Folipac
Folsan
Folsaure
Folsav
Foluite
Folvite
Glutamic acid, N-(p-(((2-amino-4-hydroxy-6-pteridinyI)methyl)amino)benzoyl)-, (L)-
Glutamic acid,
N-(p-(((2-amino-4-hydroxypyrimido(4,5-b)pyrazin-6-yl)methyl)amino)benzoyl)-, L
Glutamic acid, pteroyl-, L
Incafolic
Kyselina listova
L-Glutamic acid,
N-[4-[[[(2-amino-1,4-dihydro-4-oxo-6-pteridinyI)methyl]amino]benzoyl]-
L-Pteroylglutamic acid
Liver Lactobacillus, casei factor
Millafol
N-[4-[[[(2-Amino-1,4-dihydro-4-oxo-6-pteridinyI)methyl]amino]benzoyl]-l-glutamic
acid
N-[p-[[[(2-Amino-4-hydroxy-6-pteridinyI)methyl]amino]benzoyl]-L-glutamic acid
NSC 3073
PGA
PteGlu
Pteroyl-L-glutamic acid
Pteroyl-L-monoglutamic acid
Pteroylglutamic acid
Pteroylmonoglutamic acid

	USAF CB-13
	Vitamin B11
	Vitamin Bc
	Vitamin Be
	Vitamin M
Inchi:	InChI=1S/C19H19N7O6/c20-19-25-15-14(17(30)26-19)23-11(8-22-15)7-21-10-3-1-9(2-4
InchiKey:	OVBPIULPVIDEAO-UHFFFAOYSA-N
Formula:	C19H19N7O6
SMILES:	Nc1nc(O)c2nc(CNc3ccc(C(=O)NC(CCC(=O)O)C(=O)O)cc3)cnc2n1
Mol. weight [g/mol]:	441.40

Physical Properties

Property code	Value	Unit	Source
log10ws	-4.89		Aqueous Solubility Prediction Method
log10ws	-5.25		Aqueous Solubility Prediction Method
logp	0.367		Crippen Method
mcvol	303.770	ml/mol	McGowan Method

Sources

Aqueous Solubility Prediction Method:	http://onschallenge.wikispaces.com/file/view/AqueousDataset003.xlsx/351830174/AqueousDataset003.xlsx
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C59303&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/AqueousDataset002.xlsx/351826032/AqueousDataset002.xlsx

Legend

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

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