

# 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-pteridiny)l)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-pteridiny)l)methyl]amino]benzoyl]-  
L-Pteroylglutamic acid  
Liver Lactobacillus, casei factor  
Millafol  
N-[4-[[[(2-Amino-1,4-dihydro-4-oxo-6-pteridiny)l)methyl]amino]benzoyl]-l-glutamic  
acid  
N-[p-[[[(2-Amino-4-hydroxy-6-pteridiny)l)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

**CAS:** 59-30-3

## 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
rinpol	1387.00		NIST Webbook
rinpol	1387.00		NIST Webbook

## Sources

**NIST Webbook:** <http://webbook.nist.gov/cgi/cbook.cgi?ID=C59303&Units=SI>

**Crippen Method:** <http://pubs.acs.org/doi/abs/10.1021/ci9903071>

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

**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

**rinpol:** Non-polar retention indices

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