

Folic acid Datasheet

5th Edition (Revised in January, 2017)

[Product Information]

Name: Folic acid

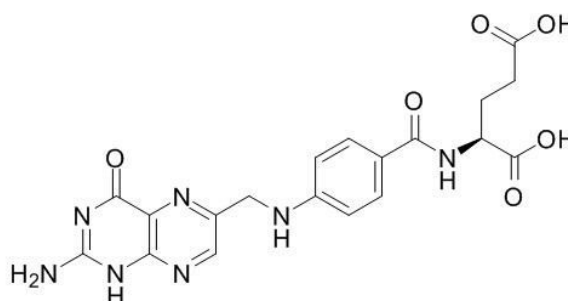
Catalog No.: CFN98552

Cas No.: 59-30-3

Purity: >=98%

M.F: C₁₉H₁₉N₇O₆

M.W: 441.4



Physical Description: Yellow powder

Synonyms: 2-Amino-6-((p-((1,3-dicarboxypropyl)carbamoyl)anilino)methyl)-4-pteridinol.

[Intended Use]

1. Reference standards;
2. Pharmacological research;
3. Food research;
4. Synthetic precursor compounds;
5. Intermediates & Fine Chemicals;
6. Others.

[Source]

The herbs of *Mangifera indica* L.

[Biological Activity or Inhibitors]

Folic acid supplementation can effectively reduce the risk of stroke in primary prevention.^[1]

Folic acid deficiency and homocysteine impair DNA repair in hippocampal neurons and sensitize them to amyloid toxicity in experimental models of Alzheimer's disease.^[2]

Folic acid supplementation improves arterial endothelial function in adults with relative hyperhomocystinemia, with potentially beneficial effects on the atherosclerotic process.^[3]

[Solvent]

Pyridine, Methanol, Ethanol, etc.

[HPLC Method]^[4]

Mobile phase: Methanol-(5mMHeptanesulphonic acid sodium salt /0.1% triethylamine = 25:75), gradient elution ;

Flow rate:1.0 ml/min;

Column temperature: 35°C;

The wave length of determination:290 nm.

[Storage]

2-8°C, Protected from air and light, refrigerate or freeze.

[References]

[1] Wang X, Qin X, Demirtas H, *et al. Lancet*,2007, 369(9576):1876-82.

[2] Kruman I I, Kumaravel T S, Lohani A, *et al. J. Neurosci.*,2002 Mar 1;22(5):1752-62.

[3] Woo K S, Chook P, Lolin Y I, *et al. J. Am.College. Cardiol.*,1999, 34(7):2002-6.

[4] Amidžić, Rada, Brborić, Jasmina S, Čudina, Olivera A, *et al. J. Serb.Chem.Soc.*,2005, 70(10):1229-35.

[Contact]

Address:

S5-3 Building, No. 111, Dongfeng Rd.,
Wuhan Economic and Technological Development Zone,
Wuhan, Hubei 430056,
China

Email: info@chemfaces.com**Tel:** +86-27-84237783**Fax:** +86-27-84254680**Web:** www.chemfaces.com**Tech Support:** service@chemfaces.com