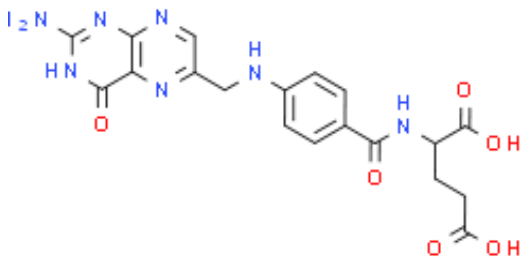
Product Data Sheet

Cas No.:	59-30-3	Cat. No:	PC65617
Product Name:	Folic acid.		
Product synonym:	叶酸;N-[4-[(2-氨基-4-氧代-1,4-二氢-6-蝶啶)甲氨基]苯甲酰基]-L-谷氨酸;蝶酰谷氨酸;维生素BC;维生素M;蝶翅酸酰谷氨酸;叶酸(维生素BC);叶酸二水合物;葉酸;叶酸(营养药);維生素M;(L)-N-4-[[[2-氨基-1,4-二氢-4氧代-蝶啶]-甲基]氨基]苯甲酰]谷氨酸,维生素BC,VITAMIN BC;叶酸水合物;EDTA 乙二胺四乙酸四钠;Folic Acid Hydrate 叶酸水合物;Folic acid 叶酸(Vitamin B9);维生素 M （叶酸）;维生素B11（叶酸）;维生素B9;维生素B9(叶酸);维生素Bc(叶酸) 标准品;维生素M (叶酸);叶酸 EP 标准品;叶酸 Folic acid;叶酸 USP标准品;叶酸 标准品;叶酸 丙烯酸 二聚酸;叶酸 食品添加剂;叶酸(Folic acid);叶酸(蝶酰谷氨酸);叶酸（维生素B9）;叶酸,AR;叶酸,BR;叶酸,对照品;叶酸、;叶酸标准品(JP);(L)-N-4-[[[2-氨基-1,4-二氢-4氧代-蝶啶]-甲基]氨基]苯甲酰]谷氨酸;B9叶酸;蝶酰谷氨酸,蝶翅酸酰谷氨酸,维生素BC,维生素M;蝶酰谷氨酸,蝶翅酸酰谷氨酸,维生素BC,维生素M,N-[4-(2-氨基-4-氧代-6-蝶啶)甲氨基苯甲酰基]-L-谷氨酸;维生素B10(叶酸);维生素M,维生素Bc,叶酸;维生素M、叶酸;叶酸 中文别名： 维生素M;叶酸,Folic acid,USP级;N-4-[(2-氨基-4-氧代-1,4-二氢-6-喋啶)甲氨基苯甲酰基]-L-谷氨酸;(L)-N-4-[[[2-氨基-1,4-二氢-4氧代-蝶啶]-甲基]氨基]苯甲酰]谷氨酸 水合物;N-[4-[(2-氨基-4-氧代-1,4-二氢-6-蝶啶)甲氨基]苯甲酰基]-L-谷氨酸 水合物;蝶翅酸酰谷氨酸 水合物;蝶酰谷氨酸 水合物;维生素 M		
Chemical name:	Folic acid.		
MF:	C19H19N7O6	FW:	441.3975
Purity:	≥99%	Batch No.:	-
Storage:			
Structural formula:			
λmax:	-	Formulation:	-
Solubility :			
SMILES :	O([H])C([C@]([H])(C([H])([H])C([H])([H])C(=O)O[H])N([H])C(C1C([H])=C([H])C(=C([H])C=1[H])N([H])C([H])([H])C1=C([H])N=C2C(C(N([H])C(N([H])[H])=N2)=O)=N1)=O)=O		
InChI Code:	-		
InChI Key:			
WARNING This product is not for human or veterinary use.			

Product Description

Folic acid (Vitamin B9) 是一种来自维生素 B 群的口服活性必需营养素。Folic acid 具有抗抑郁样作用。Folic acid 可降低新生儿神经管缺陷的风险。Folic acid 可用于研究因叶酸缺乏引起的巨幼红细胞性贫血和大红细胞性贫血。Folic acid (Vitamin B9) 是一种来自维生素 B 群的口服活性必需营养素。Folic acid 具有抗抑郁样作用。Folic acid 可降低新生儿神经管缺陷的风险。Folic acid 可用于治疗因叶酸缺乏引起的巨幼红细胞性贫血和大红细胞性贫血。

生物活性	Folic acid (Vitamin B9) is a orally active essential nutrient from the B complex group of vitamins. Folic acid shows antidepressant-like effect. Folic acid sodium reduces the risk of neonatal neural tube defects. Folic acid can be used to the treatment of megaloblastic and macrocytic anemias due to folic deficiency.
IC50 & Target[1][2]	Human Endogenous Metabolite Microbial Metabolite
体外研究(In Vitro)	Folic acid plays a critical role in the prevention of chromosome breakage and hypomethylation of DNA.Medlife has not independently confirmed the accuracy of these methods. They are for reference only.
体内研究(In Vivo)	Folic acid (10, 50, 100 mg/kg; p.o.) shows an antidepressant-like effect in thisbehavioral mouse model. Folic acid (1, 10 nmol/site) shows no psychostimulant effect in mice habituated to the novel environment. Folic acid (1, 5 mg/kg; p.o.) prevents epigenetic modification of hepatic gene expression in the offspring in rats.Medlife has not independently confirmed the accuracy of these methods. They are for reference only.
包装储存	4°C, Keep In Dark； *In solvent : -80°C, 6 months; -20°C, 1 month (Keep In Dark)；
溶解度数据	体外研究: 1M NaOH : 100 mg/mL(226.55 mM;Need ultrasonic) DMSO : 33.33 mg/mL(75.51 mM;Need ultrasonic) H_2O : < 0.1 mg/mL (insoluble)