



DATA SHEET

Fenchem Biotek Ltd.

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PRODUCT NAME

Folic Acid

DESCRIPTION

Folic acid is also referred to as vitamin M, vitamin B9, vitamin Bc (or folacin), pteroyl-L-glutamic acid, and pteroyl-L-glutamate. It is an essential material for the body when using sugars and amino acids. As an important carbon carrier, folic acid is playing an important role in the synthesis of nucleotide, re-methylation of homocysteine and many other important physiological functions.

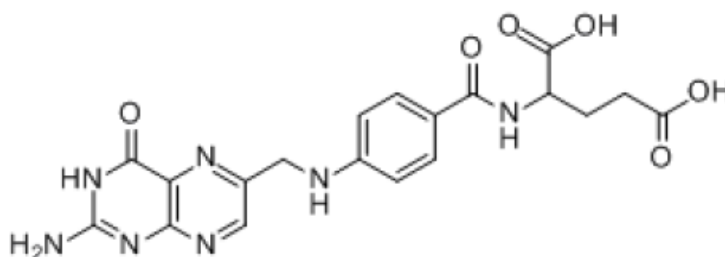
PRODUCT IDENTIFICATION

Chemical name:

N-4-[(2-Amino-4-oxo-1,4-dihydro-6-terene)methylamino]benzoyl-L-glutamic acid;

CAS No.:59-30-3

Chemical structure:



Chemical formula: $C_{19}H_{19}N_7O_6$ Molecular weight: 441.4

SPECIFICATION

| ITEMS | SPECIFICATIONS |
|----------------------------|-------------------------------------|
| Description | Yellow or orange crystalline powder |
| UV absorption(A256 / A365) | 2.8 ~ 3.0 |
| Lead | 2 ppm Max |
| Loss on drying | 8.5% Max |
| Residue on ignition | 0.3% Max |



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| | |
|-----------------------------|-------------------|
| Organic volatile impurities | Meets requirement |
| Assay (on dried basis) | 95.0% ~ 102.0% |
| Total plate count | 1000 cfu/g Max |
| Yeast & mold | 100 cfu/g Max |
| E. Coli | Negative |
| Salmonella | Negative |
| Pterioic acid | 1.3% max |

STORAGE

The product may be stored for 24 months from the date of manufacture in the unopened original container. Keep container tightly closed under cool and light proof conditions. Once opened, use contents quickly.

APPLICATION

Folic acid is playing a particularly important role in the process of rapid cell division and growth, such as infant development and pregnant. It is widely used in food supplement and medicines.

QA MANAGER: Junny Liu