

Levomefolic acid

Catalog No: tcsc1067



Available Sizes

Size: 5mg

Size: 10mg

Size: 50mg



Specifications

CAS No:

31690-09-2

Formula:

$C_{20}H_{25}N_7O_6$

Pathway:

Cell Cycle/DNA Damage

Target:

Antifolate

Purity / Grade:

>98%

Solubility:

DMSO : 0.526 mg/mL (1.14 mM; Need ultrasonic and warming); H2O : 5 mg/mL (10.88 mM; Need ultrasonic)

Alternative Names:

5-MTHF

Observed Molecular Weight:

459.46

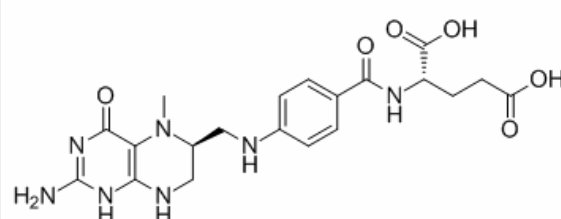
Product Description

Levomefolic acid (5-MTHF) is the natural, active form of folic acid used at the cellular level for DNA reproduction, the cysteine cycle and the regulation of homocysteine among other functions.

IC50 value:

Target: Folate analog

Levomefolic acid has been proposed for treatment of cardiovascular disease and advanced cancers such as breast and colorectal cancers. Levomefolic acid (5-MTHF) has the prominent antioxidant activity. A high dose of 5-MTHF or folic acid does not influence Natural killer (NK) cell function in vitro.



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