



Levomefolic acid

Catalog No: tcsc1067

Product Description

| Available Sizes |
|---|
| Size: 5mg |
| Size: 10mg |
| Size: 50mg |
| Specifications |
| CAS No: 31690-09-2 |
| Formula: $C_{20}^{H}_{25}^{N}_{7}^{O}_{6}$ |
| 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 |





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.

$$H_2N$$
 H_1
 H_2
 H_3
 H_4
 H_4

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