Methotrexate

Dihydrofolate reductase inhibitor

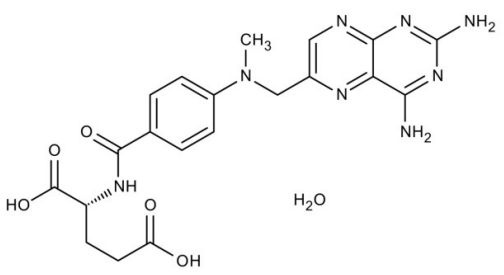
Folic acid antagonist. Potent inhibitor of dihydrofolate reductase. Induces apoptosis. Inhibits DNA synthesis. Anticancer agent.

Citations: 12 View Online »

Ordering Information Order Online »

ALX-440-045-M050	50mg
ALX-440-045-G001	1g

Manuals, SDS & CofA View Online »


CH3
N
N
N
N
N
NH2
NH2
O
O
NH
HO
O
OH
H2O

Handling & Storage

Use/Stability	As indicated on product label or CoA when stored as recommended.
Handling	Protect from light.
Long Term Storage	+4°C
Shipping	Ambient Temperature

Regulatory Status

RUO - Research Use Only

Product Details

Alternative Name	(+)-Amethopterin, 4-Amino-10-methylfolic acid, Methylaminopterin, MTX
Appearance	Yellow powder.
CAS	133073-73-1
Couple Target	Dihydrofolate reductase
Couple Type	Inhibitor
Formula	$C_{20}H_{22}N_8O_5 \cdot H_2O$
MI	**14:** 5985
MW	454.5
Purity	≥98% (HPLC)
Solubility	Soluble in alkaline solution; insoluble in water, 100% ethanol or ether.

Last modified: May 29, 2024

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