

| Catalog       | Unit   |
|---------------|--------|
| TBI1260-100MG | 100 mg |
| TBI1260-500MG | 500 mg |

### Product Details

**Formal Name:** N-[4-[[[(2,4-Diamino-6-pteridiny)methyl]methylamino]benzoyl]-L-glutamic acid

**Alternate Names:** Amethopterin; CL-14377; NSC740

**Molecular Formula:** C<sub>20</sub>H<sub>22</sub>N<sub>8</sub>O<sub>5</sub> · xH<sub>2</sub>O

**Formula Weight:** 554.40

**CAS Number:** 133073-73-1

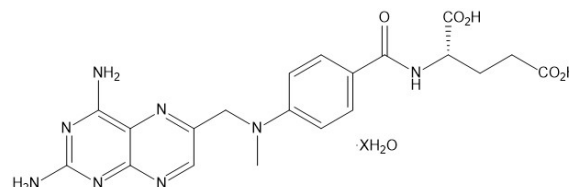
**Purity:** >98%

**Formulation:** powder

**Solubility:** Soluble in DMSO (up to 45 mg/ml).

**Storage:** -20°C

**Stability:** ≥ 2 years.



### Applications

Dihydrofolate reductase inhibitor; Inhibits DNA synthesis

### Functions

A synthetic folic acid analog with immunosuppressant and cancer chemotherapeutic activity. Inhibits thymidylate synthetase and de novo purine synthesis. Displays beneficial effects in rheumatoid arthritis by inhibiting the production of cytokines induced by T-cell activation and stimulation of adenosine release. It is the classic disease-modifying antirheumatic drug (DMARD).

### Application Procedures

First dissolved in DMSO (up to 45 mg/ml), then diluted to aqueous buffer. Solutions in DMSO may be stored at -20°C for up to 3 months.

**For research use only.**