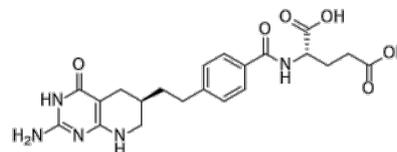


**Product Name** : Lometrexol  
**Cat. No.** : PC-26409  
**CAS No.** : 106400-81-1  
**Molecular Formula** : C<sub>21</sub>H<sub>25</sub>N<sub>5</sub>O<sub>6</sub>  
**Molecular Weight** : 443.46  
**Target** : Antifolate  
**Solubility** : 10 mM in DMSO



## Biological Activity

Lometrexol (DDATHF) is an antipurine antifolate and inhibitor of glycinamide ribonucleotide formyltransferase (GARFT), also inhibits serine hydroxymethyltransferase (SHMT) with ITC KD of 2  $\mu$ M.

## References

- Taylor EC, et al. J Med Chem. 1985 Jul;28(7):914-21.  
Paiardini A, et al. ChemMedChem. 2015 Mar;10(3):490-7.

**Caution: Product has not been fully validated for medical applications. Lab Use Only!**

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