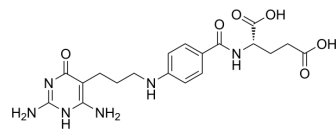


## 5-DACTHF

Cat. No.:	HY-14526
CAS No.:	118252-44-1
Molecular Formula:	C <sub>19</sub> H <sub>24</sub> N <sub>6</sub> O <sub>6</sub>
Molecular Weight:	432.43
Target:	Others
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



## BIOLOGICAL ACTIVITY

### Description

5-DACTHF (543U76) is an inhibitor of purine de novo biosynthesis. 5-DACTHF is a GAR-TFase and AICAR-TFase inhibitor (IC<sub>50</sub>: 3 and 94 μM). 5-DACTHF is a potent antitumor agent<sup>[1]</sup>.

## REFERENCES

[1]. Styles, V.L. Synthesis of the penta-glutamyl derivative of N-[4-[N-[3-(2,4-diamino-1,6-dihydro-6-oxo-5-pyrimidinyl)-propyl]amino]benzoyl]-L-glutamic acid (5-DACTHF). An acyclic analogue of tetrahydrofolic acid. 1990. Journal of Heterocyclic Chemistry, 27: 1809-1813.

**Caution: Product has not been fully validated for medical applications. For research use only.**

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA