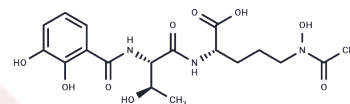


Vanoxonin

Chemical Properties

CAS No. :	86933-99-5
Formula:	C ₁₈ H ₂₅ N ₃ O ₉
Molecular Weight:	427.41
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



Biological Description

Description	Vanoxonin is a new thymidylate synthetase inhibitor.
Targets(IC50)	Others,DNA/RNA Synthesis

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.3397 mL	11.6984 mL	23.3967 mL
5 mM	0.4679 mL	2.3397 mL	4.6793 mL
10 mM	0.234 mL	1.1698 mL	2.3397 mL
50 mM	0.0468 mL	0.234 mL	0.4679 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

- Kanai F, Isshiki K, Umezawa Y, Morishima H, Naganawa H, Takita T, Takeuchi T, Umezawa H. Vanoxonin, a new inhibitor of thymidylate synthetase. II. Structure determination and total synthesis. J Antibiot (Tokyo). 1985 Jan;38(1):31-8. PubMed PMID: 3972726.
- Kanai F, Sawa T, Hamada M, Naganawa H, Takeuchi T, Umezawa H. Vanoxonin, a new inhibitor of thymidylate synthetase. J Antibiot (Tokyo). 1983 Jun;36(6):656-60. PubMed PMID: 6874588.
- Kanai F, Kaneko T, Morishima H, Isshiki K, Takita T, Takeuchi T, Umezawa H. Vanoxonin, a new inhibitor of thymidylate synthetase. III. Inhibition of thymidylate synthetase by vanoxonin-vanadium complex. J Antibiot (Tokyo). 1985 Jan;38(1):39-50. PubMed PMID: 3972727.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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