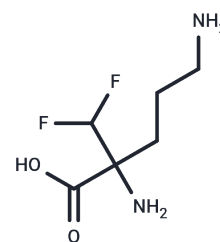


Eflornithine

Chemical Properties

CAS No. :	70052-12-9
Formula:	C ₆ H ₁₂ F ₂ N ₂ O ₂
Molecular Weight:	182.17
Appearance:	no data available
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	Eflornithine (DFMO) is a selective and orally available ornithine decarboxylase inhibitor that delays hair overgrowth. Eflornithine is used in the study of African trypanosomiasis, malignant glioma, and sleeping sickness.
Targets(IC50)	Parasite
In vivo	Treatment of coarctation hypertensive rats with eflornithine resulted in a normalization of the contractile intensity to KCl and norepinephrine and relaxations to acetylcholine by 14 days of hypertension[4].

Solubility Information

Solubility	H ₂ O: 50 mg/mL (274.47 mM), Sonication and heating are recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	5.4894 mL	27.4469 mL	54.8938 mL
5 mM	1.0979 mL	5.4894 mL	10.9788 mL
10 mM	0.5489 mL	2.7447 mL	5.4894 mL
50 mM	0.1098 mL	0.5489 mL	1.0979 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.

Reference

Burri C, et al. Eflornithine for the treatment of human African trypanosomiasis. Parasitol Res. 2003 Jun;90 Supp 1: S49-52.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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