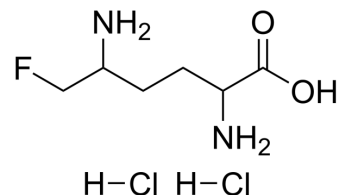


5-Fluoromethylornithine dihydrochloride

Cat. No.:	HY-154021A
CAS No.:	124796-41-4
Molecular Formula:	C ₆ H ₁₅ Cl ₂ FN ₂ O ₂
Molecular Weight:	237.1
Target:	Biochemical Assay Reagents
Pathway:	Others
Storage:	4°C, stored under nitrogen, away from moisture * In solvent : -80°C, 6 months; -20°C, 1 month (stored under nitrogen, away from moisture)



SOLVENT & SOLUBILITY

In Vitro

H₂O : 100 mg/mL (421.76 mM; Need ultrasonic)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	4.2176 mL	21.0881 mL	42.1763 mL
	5 mM	0.8435 mL	4.2176 mL	8.4353 mL
	10 mM	0.4218 mL	2.1088 mL	4.2176 mL

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

5-Fluoromethylornithine (5-FMOrn) dihydrochloride is a specific irreversible inhibitor of L-ornithine:2-oxoacid aminotransferase (OAT). 5-Fluoromethylornithine dihydrochloride can be used in the study of gyrate atrophy of choroid and retina^{[1][2]}.

REFERENCES

- [1]. Daune G, et al. 5-Fluoromethylornithine, an irreversible and specific inhibitor of L-ornithine:2-oxo-acid aminotransferase. *Biochem J.* 1988 Jul 15;253(2):481-8.
- [2]. Nakauchi T, et al. Prevention of ornithine cytotoxicity by nonpolar side chain amino acids in retinal pigment epithelial cells. *Invest Ophthalmol Vis Sci.* 2003 Nov;44(11):5023-8.

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

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