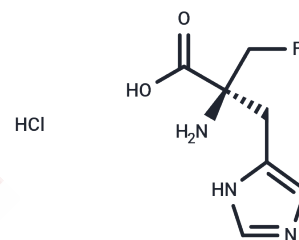


(S)-alpha-Fluoromethylhistidine 2 HCl

Chemical Properties

CAS No. :	81839-27-2
Formula:	C7H11ClFN3O2
Molecular Weight:	223.63
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	(S)-alpha-Fluoromethylhistidine 2 HCl is a potent irreversible inhibitor of histidine decarboxylase (HDC) and glutathione S-transferase.
Targets(IC50)	Others,GST

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.4717 mL	22.3584 mL	44.7167 mL
5 mM	0.8943 mL	4.4717 mL	8.9433 mL
10 mM	0.4472 mL	2.2358 mL	4.4717 mL
50 mM	0.0894 mL	0.4472 mL	0.8943 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

- Peitsaro N, et al. Modulation of the histaminergic system and behaviour by alpha-fluoromethylhistidine in zebrafish. *J Neurochem.* 2003 Jul;86(2):432-41.
- Vaziri P, Dang K, Anderson GH. Evidence for histamine involvement in the effect of histidine loads on food and water intake in rats. *J Nutr.* 1997 Aug;127(8):1519-26. PubMed PMID: 9237947.
- Malmberg-Aiello P, Lamberti C, Ghelardini C, Giotti A, Bartolini A. Role of histamine in rodent antinociception. *Br J Pharmacol.* 1994 Apr;111(4):1269-79. PubMed PMID: 8032614; PubMed Central PMCID: PMC1910136.
- Brandes LJ, Davie JR, Paraskevas F, Sukhu B, Bogdanovic RP, LaBella FS. The antiproliferative potency of histamine antagonists correlates with inhibition of binding of [3H]-histamine to novel intracellular receptors (HIC) in microsomal and nuclear fractions of rat liver. *Agents Actions Suppl.* 1991;33:325-42. PubMed PMID: 2053513.

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