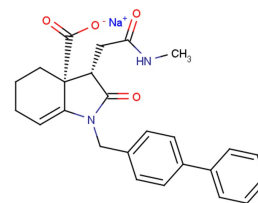


Fumarate hydratase-IN-2 sodium salt

Chemical Properties

CAS No.:	T11336
Formula:	C ₂₅ H ₂₅ N ₂ NaO ₄
Molecular Weight:	440.47
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).



Biological Description

Description	Fumarate hydratase-IN-2 sodium salt is a cell-permeable and competitive fumarate hydratase inhibitor (K _i =4.5 μM) with nutrient-dependent cytotoxicity .
Targets(IC ₅₀)	Fumarate hydratase(ki): ki: 4.5 μM

Solubility Information

Solubility	DMSO: 10.66 mg/mL (24.20 mM) (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.27 mL	11.352 mL	22.703 mL
5 mM	0.454 mL	2.27 mL	4.541 mL
10 mM	0.227 mL	1.135 mL	2.27 mL
50 mM	0.045 mL	0.227 mL	0.454 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

Reference

1. Takeuchi T et al. Identification of fumarate hydratase inhibitors with nutrient-dependent cytotoxicity. J Am Chem Soc. 2015 Jan 21;137(2):564-7.

Inhibitors · Natural Compounds · Compound Libraries

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