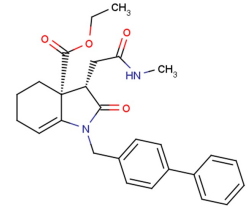


Data Sheet (Cat.No.T11337)

Fumarate hydratase-IN-1

Chemical Properties

CAS No.:	1644060-37-6
Formula:	C ₂₇ H ₃₀ N ₂ O ₄
Molecular Weight:	446.54
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-1 has antiproliferative activity against several cancer cell lines with a mean IC ₅₀ of 2.2 μM. Fumarate hydratase-IN-1 is a cell-permeable fumarate hydratase inhibitor.
Targets(IC ₅₀)	Fumarate hydratase: None
In vitro	Fumarate hydratase-IN-1 inhibits SK-MEL-28 , ACHN, HCT-116, PC3, and SW620 cell lines with a mean IC ₅₀ of 2.2 μM.

Solubility Information

Solubility	DMSO: 50 mg/mL (111.97 mM) (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.239 mL	11.197 mL	22.394 mL
5 mM	0.448 mL	2.239 mL	4.479 mL
10 mM	0.224 mL	1.12 mL	2.239 mL
50 mM	0.045 mL	0.224 mL	0.448 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): 564-567.

Inhibitors · Natural Compounds · Compound Libraries

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