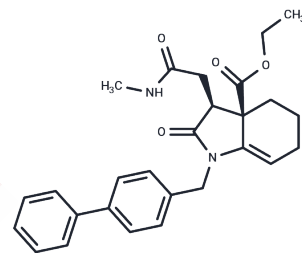


## Fumarate hydratase-IN-1

## Chemical Properties

CAS No. :	1644060-37-6
Formula:	C <sub>27</sub> H <sub>30</sub> N <sub>2</sub> O <sub>4</sub>
Molecular Weight:	446.54
Appearance:	no data available
Storage:	store at low temperature
	Powder: -20°C for 3 years   In solvent: -80°C for 1 year



## Biological Description

Description	Fumarate hydratase-IN-1 is a cell-permeable fumarate hydratase inhibitor with antiproliferative activity and can be used to study cellular activity.
Targets(IC50)	Mitochondrial Metabolism
In vitro	Fumarate hydratase-IN-1 exhibits high sensitivity against cancer cell lines such as SW620, ACHN, HCT-116, inhibiting their proliferation with an average IC <sub>50</sub> value of 2.2 μM[1].

## Solubility Information

Solubility	DMSO: 30 mg/mL (67.18 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.2394 mL	11.1972 mL	22.3944 mL
5 mM	0.4479 mL	2.2394 mL	4.4789 mL
10 mM	0.2239 mL	1.1197 mL	2.2394 mL
50 mM	0.0448 mL	0.2239 mL	0.4479 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

Takeuchi T et al. Identification of Fumarate Hydratase Inhibitors with Nutrient-Dependent Cytotoxicity. J Am Chem Soc, 2015 Jan 21, 137(2): 564-567.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

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