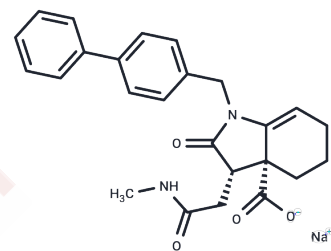


## Fumarate hydratase-IN-2 sodium salt

## Chemical Properties

CAS No. :	2070009-45-7
Formula:	C <sub>25</sub> H <sub>25</sub> N <sub>2</sub> NaO <sub>4</sub>
Molecular Weight:	440.47
Appearance:	no data available
Storage:	Powder: -20°C for 3 years   In solvent: -80°C for 1 year



## Biological Description

Description	Fumarate hydratase-IN-2 sodium salt (compound 3) is a cell-permeable, competitive fumarate hydratase inhibitor ( $K_i = 4.5 \mu\text{M}$ ) exhibiting nutrient-dependent cytotoxicity [1].
Targets(IC50)	Others

## Solubility Information

Solubility	DMSO: 10.66 mg/mL (24.20 mM), Sonication and heating are recommended. ( $< 1 \text{ mg/ml}$ refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.2703 mL	11.3515 mL	22.703 mL
5 mM	0.4541 mL	2.2703 mL	4.5406 mL
10 mM	0.227 mL	1.1352 mL	2.2703 mL
50 mM	0.0454 mL	0.227 mL	0.4541 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):564-7.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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