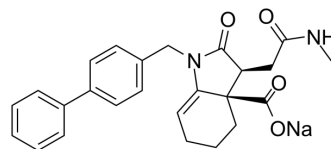


Fumarate hydratase-IN-2 sodium salt

Cat. No.:	HY-100005A		
Molecular Formula:	C ₂₅ H ₂₅ N ₂ NaO ₄		
Molecular Weight:	440.47		
Target:	Mitochondrial Metabolism		
Pathway:	Metabolic Enzyme/Protease		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro

H₂O : 25 mg/mL (56.76 mM; Need ultrasonic)
 DMSO : 10.66 mg/mL (24.20 mM; Need ultrasonic and warming)

Concentration	Solvent	Mass	1 mg	5 mg	10 mg
			1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM		2.2703 mL	11.3515 mL	22.7030 mL
	5 mM		0.4541 mL	2.2703 mL	4.5406 mL
	10 mM		0.2270 mL	1.1352 mL	2.2703 mL

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

Fumarate hydratase-IN-2 sodium salt (compound 3) is a cell-permeable and competitive fumarate hydratase inhibitor (K_i = 4.5 μM) with nutrient-dependent cytotoxicity [1].

IC₅₀ & Target

K_i: 4.5 μM (Fumarate hydratase)^[1]

CUSTOMER VALIDATION

- SLAS Discov. 2020 Jan;25(1):43-56.

See more customer validations on www.MedChemExpress.com

REFERENCES

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA