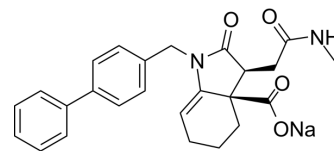


Fumarate hydratase-IN-2 sodium salt

Cat. No.:	HY-100005A
CAS No.:	2070009-45-7
Molecular Formula:	C ₂₅ H ₂₅ N ₂ NaO ₄
Molecular Weight:	440.47
Target:	Mitochondrial Metabolism
Pathway:	Metabolic Enzyme/Protease
Storage:	4°C, sealed storage, away from moisture * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)



SOLVENT & SOLUBILITY

In Vitro

DMSO : 10.66 mg/mL (24.20 mM; Need ultrasonic and warming)
H₂O : 6.25 mg/mL (14.19 mM; ultrasonic and warming and heat to 60°C)

Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	5 mg	10 mg
	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

Ki: 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.

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