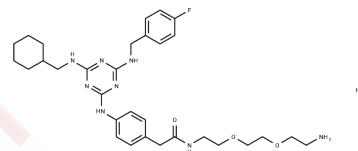


AP-III-a4 hydrochloride

Chemical Properties

CAS No. :	2070014-95-6
Formula:	C ₃₁ H ₄₄ ClFN ₈ O ₃
Molecular Weight:	631.18
Storage:	Keep away from direct sunlight Powder: -20°C for 3 years In solvent: -80°C for 1 year <i>Actual storage temperature shall be subject to the COA.</i>



Biological Description

Description	AP-III-a4 hydrochloride (ENOblock hydrochloride) is a direct enolase (enolase) inhibitor with non-substrate analogs. AP-III-a4 hydrochloride inhibits metastasis of cancer cells in vivo and affects glucose homeostasis and can be used in bioassays.
Targets(IC50)	Glucokinase

Solubility Information

Solubility	DMSO: 40 mg/mL (63.37 mM), Sonication is recommended. H ₂ O: 8 mg/mL (12.67 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	1.5843 mL	7.9217 mL	15.8433 mL
5 mM	0.3169 mL	1.5843 mL	3.1687 mL
10 mM	0.1584 mL	0.7922 mL	1.5843 mL
50 mM	0.0317 mL	0.1584 mL	0.3169 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.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Da-Woon Jung, et al. A Unique Small Molecule Inhibitor of Enolase Clarifies Its Role in Fundamental Biological Processes. ACS Chem. Biol., 2013, 8 (6), pp 1271–1282

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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