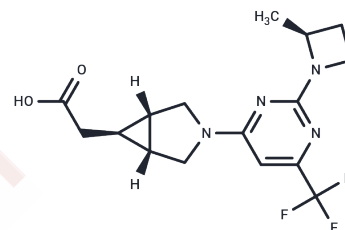


Ketohehexokinase inhibitor 1

Chemical Properties

CAS No. :	2102501-84-6
Formula:	C ₁₆ H ₁₉ F ₃ N ₄ O ₂
Molecular Weight:	356.34
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



Biological Description

Description	Ketohehexokinase inhibitor 1 is a ketohehexokinase inhibitor (IC ₅₀ s: 8.4 nM and 66 nM for KHK-C and KHK-A, respectively).
Targets(IC ₅₀)	Others

Solubility Information

Solubility	DMSO: 150 mg/mL (420.95 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+90% Saline: 10 mg/mL (28.06 mM), Solution. 10% DMSO+40% PEG300+5% Tween 80+45% Saline: 4 mg/mL (11.23 mM), Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.8063 mL	14.0315 mL	28.0631 mL
5 mM	0.5613 mL	2.8063 mL	5.6126 mL
10 mM	0.2806 mL	1.4032 mL	2.8063 mL
50 mM	0.0561 mL	0.2806 mL	0.5613 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

SUBSTITUTED 3-AZABICYCLO[3.1.0]HEXANES AS KETOHEXOKINASE INHIBITORS. US 20170183328 A1

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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