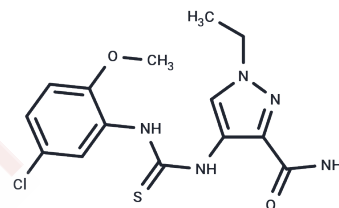


FPH2

Chemical Properties

CAS No. :	957485-64-2
Formula:	C ₁₄ H ₁₆ ClN ₅ O ₂ S
Molecular Weight:	353.83
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	FPH2 (BRD-9424) (BRD-9424) is a small molecule promoting differentiation of iPS-derived hepatocytes.
Targets(IC50)	Others, Mitochondrial Metabolism
In vivo	FPH2 induces functional proliferation of hepatocytes in vitro, thereby expanding mature human primary hepatocytes.

Solubility Information

Solubility	H ₂ O: < 1 mg/mL (insoluble or slightly soluble), Ethanol: < 1 mg/mL (insoluble or slightly soluble), DMSO: 65 mg/mL (183.7 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 2 mg/mL (5.65 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	2.8262 mL	14.1311 mL	28.2622 mL
5 mM	0.5652 mL	2.8262 mL	5.6524 mL
10 mM	0.2826 mL	1.4131 mL	2.8262 mL
50 mM	0.0565 mL	0.2826 mL	0.5652 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

Shan J, et al. Nat Chem Biol. 2013, 9(8), 514-520.

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