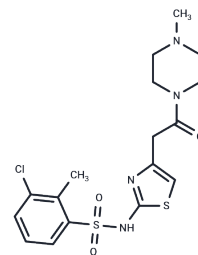


BVT 2733

Chemical Properties

CAS No. : 376640-41-4
 Formula: C₁₇H₂₁ClN₄O₃S₂
 Molecular Weight: 428.96
 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	BVT 2733 is a new, non-steroidal, isoform-specific inhibitor of 11β-HSD1.
Targets(IC50)	Dehydrogenase

Solubility Information

Solubility	DMSO: 60 mg/mL (139.87 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 (4.66 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	2.3312 mL	11.6561 mL	23.3122 mL
5 mM	0.4662 mL	2.3312 mL	4.6624 mL
10 mM	0.2331 mL	1.1656 mL	2.3312 mL
50 mM	0.0466 mL	0.2331 mL	0.4662 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

Alberts P, et al. Diabetologia. 2002 Nov;45(11):1528-32.

Qia W, Liub Y, Liuc P, et al. 11β -hydroxysteroid dehydrogenase type 1 selective inhibitor alleviates insulin resistance and non-alcoholic fatty liver disease in db/db mice. Scienceasia. 2024

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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