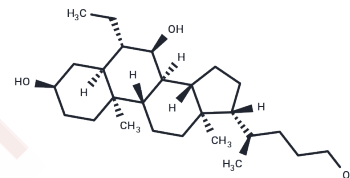


BAR 501 impurity

Chemical Properties

CAS No. :	1632118-70-7
Formula:	C ₂₆ H ₄₆ O ₃
Molecular Weight:	406.64
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	BAR501 impurity is an impurity found in the preparation of BAR501 that acts as an agonist of the G protein-coupled bile acid-activated receptor (GP-BAR1). BAR501 impurity (10 μM) induces a 150% increase in luciferase activity in a GP-BAR1 reporter gene assay
Targets(IC50)	FXR,GPCR19

Solubility Information

Solubility	DMSO: 25 mg/mL (61.48 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 (4.92 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	2.4592 mL	12.2959 mL	24.5918 mL
5 mM	0.4918 mL	2.4592 mL	4.9184 mL
10 mM	0.2459 mL	1.2296 mL	2.4592 mL
50 mM	0.0492 mL	0.2459 mL	0.4918 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

Renga B, et al. Reversal of Endothelial Dysfunction by GPBAR1 Agonism in Portal Hypertension Involves a AKT/FOXO1 Dependent Regulation of H₂S Generation and Endothelin-1.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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