

## FXR agonist 5

## Chemical Properties

CAS No. : 2414008-05-0

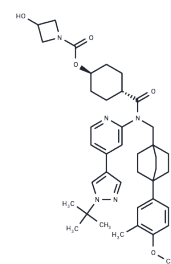
Formula: C<sub>40</sub>H<sub>53</sub>N<sub>5</sub>O<sub>5</sub>

Molecular Weight: 683.88

Store at low temperature

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	FXR agonist 5 is an FXR agonist used in the study of liver diseases or diseases mediated by metabolic inflammation.
Targets(IC50)	FXR
In vivo	FXR agonist 5 (3 mg/kg or 6 mg/kg) increases serum FGF-19 levels, decreases serum C4 levels, and improves one or more clinical symptoms of BAM. [1]

## Solubility Information

Solubility	DMSO: 100 mg/mL (146.22 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	1.4622 mL	7.3112 mL	14.6224 mL
5 mM	0.2924 mL	1.4622 mL	2.9245 mL
10 mM	0.1462 mL	0.7311 mL	1.4622 mL
50 mM	0.0292 mL	0.1462 mL	0.2924 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

Song Kenneth, et al. Farnesoid X receptor (FXR) agonists for the treatment of liver diseases or metabolic inflammation-mediated disorders. World Intellectual Property Organization, WO2021188688 A2021-09-23.

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