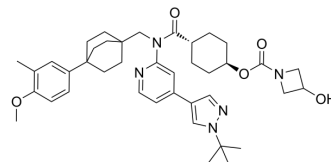


## FXR agonist 5

Cat. No.:	HY-153525		
CAS No.:	2414008-05-0		
Molecular Formula:	C <sub>40</sub> H <sub>53</sub> N <sub>5</sub> O <sub>5</sub>		
Molecular Weight:	683.88		
Target:	FXR		
Pathway:	Metabolic Enzyme/Protease		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



### SOLVENT & SOLUBILITY

In Vitro	DMSO : 125 mg/mL (182.78 mM; Need ultrasonic)				
		Solvent Concentration	Mass 1 mg	5 mg	10 mg
	Preparing Stock Solutions	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	
Please refer to the solubility information to select the appropriate solvent.					
In Vivo	1. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.08 mg/mL (3.04 mM); Clear solution				
	2. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.08 mg/mL (3.04 mM); Clear solution				

### BIOLOGICAL ACTIVITY

Description	FXR agonist 5 (compound 1) is a FXR agonist. FXR agonist 5 can be used for research in diseases or disorders caused by metabolic inflammation <sup>[1]</sup> .
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### REFERENCES

[1]. 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 A1. 2021-09-23.

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**Caution: Product has not been fully validated for medical applications. For research use only.**

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