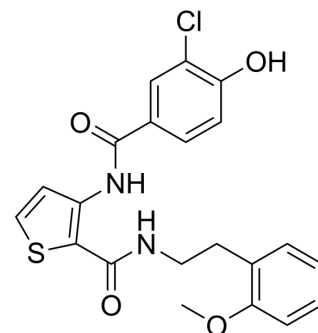


## HSD17B13-IN-8

Cat. No.:	HY-161212
CAS No.:	2758802-02-5
Molecular Formula:	C <sub>21</sub> H <sub>19</sub> ClN <sub>2</sub> O <sub>4</sub> S
Molecular Weight:	430.9
Target:	17β-HSD
Pathway:	Metabolic Enzyme/Protease
Storage:	<div>Powder -20°C 3 years</div> <div>In solvent -80°C 6 months</div> <div>-20°C 1 month</div>



### SOLVENT & SOLUBILITY

In Vitro	DMSO : 100 mg/mL (232.07 mM; Need ultrasonic)					
	Preparing Stock Solutions	<div><div>Solvent</div><div>Concentration</div></div>	Mass	1 mg	5 mg	10 mg
		1 mM	2.3207 mL	11.6036 mL	23.2072 mL	
		5 mM	0.4641 mL	2.3207 mL	4.6414 mL	
		10 mM	0.2321 mL	1.1604 mL	2.3207 mL	
Please refer to the solubility information to select the appropriate solvent.						
In Vivo	1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2.5 mg/mL (5.80 mM); Clear solution					
	2. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (5.80 mM); Clear solution					

### BIOLOGICAL ACTIVITY

Description	HSD17B13-IN-8 (1) is a 17β-Hydroxysteroid dehydrogenases (HSD17B13) inhibitor, with IC <sub>50</sub> values of <0.1 μM for Estradiol and <1 μM for LTB3. Used in NAFLD (Nonalcoholic fatty liver diseases) research <sup>[1]</sup> .
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### REFERENCES

[1]. Joshua Odingo, et al. Thiophene hsd17b13 inhibitors and uses thereof. Patent WO2022020714.

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

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