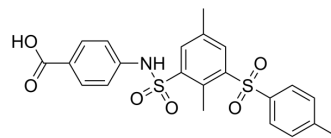


## HSD17B13-IN-3

<b>Cat. No.:</b>	HY-156736
<b>CAS No.:</b>	313259-88-0
<b>Molecular Formula:</b>	C <sub>22</sub> H <sub>21</sub> NO <sub>6</sub> S <sub>2</sub>
<b>Molecular Weight:</b>	459.54
<b>Target:</b>	17β-HSD
<b>Pathway:</b>	Metabolic Enzyme/Protease
<b>Storage:</b>	4°C, sealed storage, away from moisture and light * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture and light)



### SOLVENT & SOLUBILITY

<b>In Vitro</b>	DMSO : 260 mg/mL (565.78 mM; Need ultrasonic)																					
	<table border="1"> <thead> <tr> <th rowspan="2">Solvent</th> <th rowspan="2">Mass</th> <th colspan="3">Concentration</th> </tr> <tr> <th>1 mg</th> <th>5 mg</th> <th>10 mg</th> </tr> </thead> <tbody> <tr> <td rowspan="3">Preparing Stock Solutions</td> <td>1 mM</td> <td>2.1761 mL</td> <td>10.8804 mL</td> <td>21.7609 mL</td> </tr> <tr> <td>5 mM</td> <td>0.4352 mL</td> <td>2.1761 mL</td> <td>4.3522 mL</td> </tr> <tr> <td>10 mM</td> <td>0.2176 mL</td> <td>1.0880 mL</td> <td>2.1761 mL</td> </tr> </tbody> </table>	Solvent	Mass	Concentration			1 mg	5 mg	10 mg	Preparing Stock Solutions	1 mM	2.1761 mL	10.8804 mL	21.7609 mL	5 mM	0.4352 mL	2.1761 mL	4.3522 mL	10 mM	0.2176 mL	1.0880 mL	2.1761 mL
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	Please refer to the solubility information to select the appropriate solvent.																					
<b>In Vivo</b>	1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 6.5 mg/mL (14.14 mM); Clear solution																					

### BIOLOGICAL ACTIVITY

<b>Description</b>	HSD17B13-IN-3 (compound 2) is a potent hydroxysteroid 17β-dehydrogenase 13 (HSD17B13) inhibitor. HSD17B13-IN-3 does not have cell experimental activity <sup>[1]</sup> .
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### REFERENCES

[1]. Liu S, et, al. Structural basis of lipid-droplet localization of 17-beta-hydroxysteroid dehydrogenase 13. Nat Commun. 2023 Aug 24;14(1):5158.

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

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