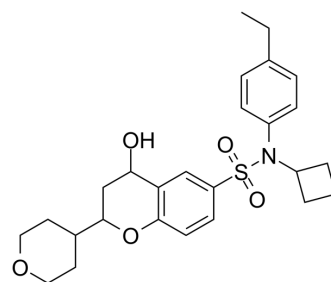


## RORyt inverse agonist 23

<b>Cat. No.:</b>	HY-139847
<b>CAS No.:</b>	2230779-18-5
<b>Molecular Formula:</b>	C <sub>26</sub> H <sub>33</sub> NO <sub>5</sub> S
<b>Molecular Weight:</b>	471.61
<b>Target:</b>	ROR
<b>Pathway:</b>	Metabolic Enzyme/Protease
<b>Storage:</b>	4°C, sealed storage, away from moisture * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)



### SOLVENT & SOLUBILITY

#### In Vitro

DMSO : ≥ 100 mg/mL (212.04 mM)  
\* "≥" means soluble, but saturation unknown.

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	1 mM	2.1204 mL	10.6020 mL	21.2040 mL
	5 mM	0.4241 mL	2.1204 mL	4.2408 mL
	10 mM	0.2120 mL	1.0602 mL	2.1204 mL

Please refer to the solubility information to select the appropriate solvent.

#### In Vivo

- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)  
Solubility: 2.5 mg/mL (5.30 mM); Suspended solution; Need ultrasonic
- Add each solvent one by one: 10% DMSO >> 90% corn oil  
Solubility: ≥ 2.5 mg/mL (5.30 mM); Clear solution

### BIOLOGICAL ACTIVITY

#### Description

RORyt inverse agonist 23 is a potent, selective, and orally available novel retinoic acid receptor-related orphan receptor  $\gamma$ t inverse agonist.

### REFERENCES

- [1]. Chen L, et al. Discovery of Chromane-6-Sulfonamide Derivative as a Potent, Selective, and Orally Available Novel Retinoic Acid Receptor-Related Orphan Receptor  $\gamma$ t Inverse Agonist. *J Med Chem.* 2021 Nov 11;64(21):16106-16131.

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

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