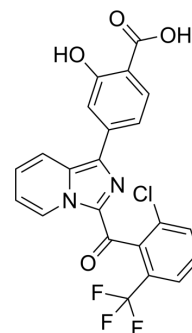


## GNE-0946

<b>Cat. No.:</b>	HY-19774		
<b>CAS No.:</b>	1677667-24-1		
<b>Molecular Formula:</b>	C <sub>22</sub> H <sub>12</sub> ClF <sub>3</sub> N <sub>2</sub> O <sub>4</sub>		
<b>Molecular Weight:</b>	460.79		
<b>Target:</b>	ROR		
<b>Pathway:</b>	Metabolic Enzyme/Protease; Vitamin D Related/Nuclear Receptor		
<b>Storage:</b>	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



### SOLVENT & SOLUBILITY

<b>In Vitro</b>	DMSO : 100 mg/mL (217.02 mM; ultrasonic and warming and heat to 60°C)			
		Solvent Concentration	Mass	
			1 mg	5 mg
			10 mg	
<b>Preparing Stock Solutions</b>	1 mM	2.1702 mL	10.8509 mL	21.7019 mL
	5 mM	0.4340 mL	2.1702 mL	4.3404 mL
	10 mM	0.2170 mL	1.0851 mL	2.1702 mL
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: ≥ 2.5 mg/mL (5.43 mM); Clear solution			

### BIOLOGICAL ACTIVITY

<b>Description</b>	GNE-0946 is a potent and selective ROR $\gamma$ ( RORc) agonist with an EC <sub>50</sub> value of 4 nM for HEK-293 cell.
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### REFERENCES

[1]. Fauber BP, et al. Discovery of imidazo[1,5-a]pyridines and -pyrimidines as potent and selective RORc inverse agonists. *Bioorg Med Chem Lett.* 2015 Aug 1;25(15):2907-12.

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

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