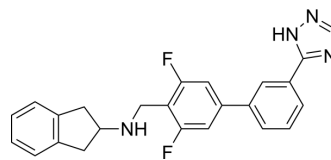


## GSK1521498 free base

<b>Cat. No.:</b>	HY-115066		
<b>CAS No.:</b>	1007573-18-3		
<b>Molecular Formula:</b>	C <sub>24</sub> H <sub>20</sub> F <sub>2</sub> N <sub>4</sub>		
<b>Molecular Weight:</b>	402.44		
<b>Target:</b>	Opioid Receptor		
<b>Pathway:</b>	GPCR/G Protein; Neuronal Signaling		
<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 : 11.36 mg/mL (28.23 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	2.4848 mL	12.4242 mL	24.8484 mL
		5 mM	0.4970 mL	2.4848 mL	4.9697 mL
10 mM		0.2485 mL	1.2424 mL	2.4848 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 >> 90% corn oil Solubility: ≥ 1.67 mg/mL (4.15 mM); Clear solution				

### BIOLOGICAL ACTIVITY

<b>Description</b>	GSK1521498 free base is a potent and selective μ-opioid receptor (MOR) antagonist. GSK1521498 free base has the potential for disorders of compulsive consumption of food, alcohol, and agents <sup>[1]</sup> .
<b>IC<sub>50</sub> &amp; Target</b>	μ Opioid Receptor/MOR

### REFERENCES

[1]. Giuliano C, et al. The Novel μ-Opioid Receptor Antagonist GSK1521498 Decreases Both Alcohol Seeking and Drinking: Evidence from a New Preclinical Model of Alcohol Seeking. *Neuropsychopharmacology*. 2015 Dec;40(13):2981-92.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: [tech@MedChemExpress.com](mailto:tech@MedChemExpress.com)

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA