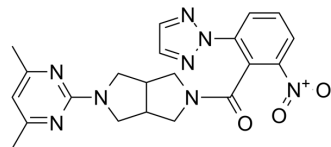


## Orexin receptor antagonist 3

Cat. No.:	HY-137093		
CAS No.:	1293282-55-9		
Molecular Formula:	C <sub>21</sub> H <sub>22</sub> N <sub>8</sub> O <sub>3</sub>		
Molecular Weight:	434.45		
Target:	Orexin Receptor (OX Receptor)		
Pathway:	GPCR/G Protein; Neuronal Signaling		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



### SOLVENT & SOLUBILITY

#### In Vitro

DMSO : 33.33 mg/mL (76.72 mM; Need ultrasonic)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	2.3018 mL	11.5088 mL	23.0176 mL
	5 mM	0.4604 mL	2.3018 mL	4.6035 mL
	10 mM	0.2302 mL	1.1509 mL	2.3018 mL

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

#### In Vivo

- Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline  
Solubility: ≥ 3.33 mg/mL (7.66 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)  
Solubility: ≥ 3.33 mg/mL (7.66 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil  
Solubility: ≥ 3.33 mg/mL (7.66 mM); Clear solution

### BIOLOGICAL ACTIVITY

#### Description

Orexin receptor antagonist 3 (example 216) is an orexin receptor antagonist, which is extracted from the patent WO2011050198A1<sup>[1]</sup>.

### CUSTOMER VALIDATION

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- Bioorg Chem. 2022 Jun;123:105779.

See more customer validations on [www.MedChemExpress.com](http://www.MedChemExpress.com)

## REFERENCES

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[1]. Wenyang Chai, et al. Disubstituted octahydro-dropyrrolo [3,4-c] pyrroles as orexin receptor modulators. WO2011050198A1.

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

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