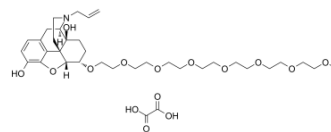


## Naloxegol oxalate

<b>Cat. No.:</b>	HY-A0118A		
<b>CAS No.:</b>	1354744-91-4		
<b>Molecular Formula:</b>	C <sub>36</sub> H <sub>55</sub> NO <sub>15</sub>		
<b>Molecular Weight:</b>	741.82		
<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

#### In Vitro

DMSO : ≥ 40 mg/mL (53.92 mM)  
 \* "≥" means soluble, but saturation unknown.

Concentration	Mass		
	1 mg	5 mg	10 mg
1 mM	1.3480 mL	6.7402 mL	13.4804 mL
5 mM	0.2696 mL	1.3480 mL	2.6961 mL
10 mM	0.1348 mL	0.6740 mL	1.3480 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: ≥ 2.08 mg/mL (2.80 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)  
 Solubility: ≥ 2.08 mg/mL (2.80 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil  
 Solubility: ≥ 2.08 mg/mL (2.80 mM); Clear solution

### BIOLOGICAL ACTIVITY

#### Description

Naloxegol oxalate (NKTR-118 oxalate; AZ-13337019 oxalate) is a μ-opioid-receptor antagonist. Naloxegol oxalate inhibits opioid binding in μ-opioid receptors in the gastrointestinal tract and effective for alleviating opioid-induced constipation<sup>[1]</sup> [2].

#### IC<sub>50</sub> & Target

Opioid receptor<sup>[1]</sup>

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## REFERENCES

- [1]. Yoon SC, et al. Naloxegol in opioid-induced constipation: a new paradigm in the treatment of a common problem. Patient Prefer Adherence. 2017 Jul 24;11:1265-1271.
- [2]. Garnock-Jones KP, et al. Naloxegol: a review of its use in patients with opioid-induced constipation. Drugs. 2015 Mar;75(4):419-25.
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**Caution: Product has not been fully validated for medical applications. For research use only.**

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