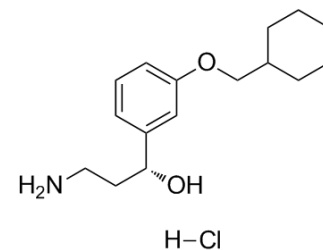


## Emixustat hydrochloride

Cat. No.:	HY-19720A		
CAS No.:	1141934-97-5		
Molecular Formula:	C <sub>16</sub> H <sub>26</sub> ClNO <sub>2</sub>		
Molecular Weight:	299.84		
Target:	Others		
Pathway:	Others		
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 : ≥ 44 mg/mL (146.74 mM)

\* "≥" means soluble, but saturation unknown.

Preparing Stock Solutions	Solvent	Mass	1 mg	5 mg	10 mg
	Concentration				
	1 mM		3.3351 mL	16.6756 mL	33.3511 mL
	5 mM		0.6670 mL	3.3351 mL	6.6702 mL
	10 mM		0.3335 mL	1.6676 mL	3.3351 mL

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

### BIOLOGICAL ACTIVITY

#### Description

Emixustat hydrochloride strongly inhibits 11-cis-retinol production with IC<sub>50</sub> values of 232 ± 3 nM. IC<sub>50</sub> value: 232 nM [1]Target: 11-cis-retinolEmixustat hydrochloride is a novel visual cycle modulator, in healthy volunteers. Oral Emixustat was safe and well tolerated when administered once daily for 14 days with minimal systemic adverse events reported. Evaluation of emixustat in subjects with geographic atrophy associated with dry age-related macular degeneration.[2]

### REFERENCES

- [1]. Kiser PD, et al. Catalytic mechanism of a retinoid isomerase essential for vertebrate vision. Nat Chem Biol. 2015 Jun;11(6):409-15.
- [2]. Kubota R, et al. Phase 1, dose-ranging study of emixustat hydrochloride (ACU-4429), a novel visual cycle modulator, in healthy volunteers. Retina. 2014 Mar;34(3):603-9.

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

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