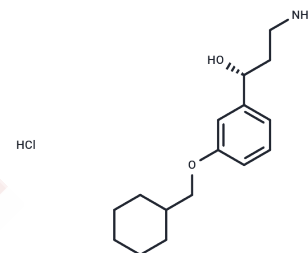


Emixustat hydrochloride

Chemical Properties

CAS No. :	1141934-97-5
Formula:	C ₁₆ H ₂₆ ClNO ₂
Molecular Weight:	299.84
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



Biological Description

Description	Emixustat hydrochloride (ACU-4429 hydrochloride) strongly inhibits 11-cis-retinol production with IC ₅₀ values of 232 ± 3 nM. 11-cis-retinol Emixustat hydrochloride is a novel visual cycle modulator.
Targets(IC ₅₀)	Others

Solubility Information

Solubility	DMSO: 40 mg/mL (133.4 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.3351 mL	16.6756 mL	33.3511 mL
5 mM	0.667 mL	3.3351 mL	6.6702 mL
10 mM	0.3335 mL	1.6676 mL	3.3351 mL
50 mM	0.0667 mL	0.3335 mL	0.667 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

- Kiser PD, et al. Catalytic mechanism of a retinoid isomerase essential for vertebrate vision. *Nat Chem Biol.* 2015 Jun;11(6):409-15.
- 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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