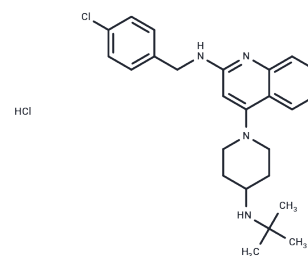


Ezurpimtrostat hydrochloride

Chemical Properties

CAS No. :	1914148-73-4
Formula:	C ₂₅ H ₃₂ Cl ₂ N ₄
Molecular Weight:	459.45
Appearance:	no data available
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	Ezurpimtrostat hydrochloride (GNS561 hydrochloride) is an orally available palmitoyl protein thioesterase-1 inhibitor with antifibrotic, antiviral, and anticancer effects that blocks cancer cell proliferation by interacting with palmitoyl protein thioesterase to inhibit late autophagy and dose-dependently increase lysosomal accumulation.
Targets(IC50)	Antiviral
In vivo	Ezurpimtrostat hydrochloride (15 mg/kg/day, PO, for 6 weeks) significantly alleviates liver fibrosis in DEN (diethylnitrosamine)-induced cirrhotic rats[1].

Solubility Information

Solubility	DMSO: 5 mg/mL (10.88 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	2.1765 mL	10.8826 mL	21.7652 mL
5 mM	0.4353 mL	2.1765 mL	4.353 mL
10 mM	0.2177 mL	1.0883 mL	2.1765 mL
50 mM	0.0435 mL	0.2177 mL	0.4353 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.

Reference

Philippe Halfon, et al. Substituted 2,4 diamino-quinoline as new medicament for fibrosis, autophagy and cathepsins b (ctsb), l (ctsl) and d (ctsd) related diseases. EP3620164A1.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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