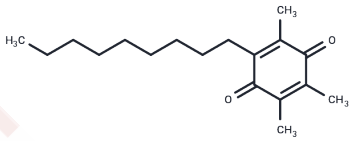
Data Sheet (Cat.No.T60507)

TargetMol

Utreloxastat

Chemical Properties



CAS No. : 1213269-96-5

Formula: C18H28O2

Molecular Weight: 276.41

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	Utreloxastat (PTC857) is a novel 15-lipoxygenase inhibitor that can be used to study amyotrophic lateral sclerosis .
Targets(IC50)	Others,Ferroptosis,Cytochromes P450,Lipoxygenase

Solubility Information

Solubility	DMSO: 30 mg/mL (108.53 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 1 mg/mL (3.62 mM),Sonication is recommended. *Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.*

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.6178 mL	18.0891 mL	36.1781 mL
5 mM	0.7236 mL	3.6178 mL	7.2356 mL
10 mM	0.3618 mL	1.8089 mL	3.6178 mL
50 mM	0.0724 mL	0.3618 mL	0.7236 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

Gao L, Giannousis P, et al. First-in-Human Studies of Pharmacokinetics and Safety of Utreloxastat (PTC857), a Novel 15-Lipooxygenase Inhibitor for the Treatment of Amyotrophic Lateral Sclerosis. Clin Pharmacol Drug Dev. 2023 Feb;12(2):141-151.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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