

Oditrasertib

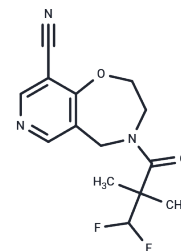
Chemical Properties

CAS No. : 2252271-93-3

Formula: C₁₄H₁₅F₂N₃O₂

Molecular Weight: 295.28

Storage: Keep away from direct sunlight, Store at low temperature, Keep away from moisture
 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	Oditrasertib (DNL-788) is a potent RIPK1 inhibitor with an IC ₅₀ value of less than 100 nM. Oditrasertib can be used for the study of immune and neurological disorders such as multiple sclerosis and Alzheimer's disease.
Targets(IC ₅₀)	RIP kinase

Solubility Information

Solubility	DMSO: 260 mg/mL (880.52 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: 3.3 mg/mL (11.18 mM), Sonication is recommended. 10% DMSO+90% Saline: 10 mg/mL (33.87 mM), Solution. <i>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.</i>

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.3866 mL	16.9331 mL	33.8662 mL
5 mM	0.6773 mL	3.3866 mL	6.7732 mL
10 mM	0.3387 mL	1.6933 mL	3.3866 mL
50 mM	0.0677 mL	0.3387 mL	0.6773 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

Fidalgo JDV, et al. Preparation of substituted oxazepines and related compounds as RIPK1 inhibitors and uses thereof. WO2018213632A2018-11-22.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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