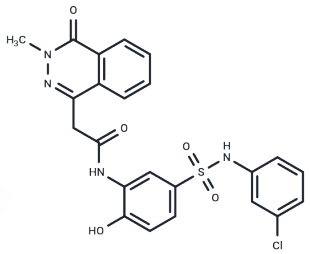
Data Sheet (Cat.No.T15265)

TargetMol

EZ-482

Chemical Properties



CAS No. : 1016456-76-0

Formula: C23H19ClN4O5S

Molecular Weight: 498.94

Storage: Store at low temperature
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	EZ-482 is an apolipoprotein (apoE) ligand that binds to the C-terminal domain of apoE3 and apoE4 through a unique N-terminal allosteric effect, useful in Alzheimer's disease research.
Targets(IC50)	Others,Apolipoprotein
In vitro	The dissociation constant of EZ-482 from apoE3 and apoE4 is about 8 μM. EZ-482 (10 or 20 μM) does not directly affect apoE binding to lipids. [1]
In vivo	In combination with anti-PD-1, EZ-482 (administered daily by oral force-feeding at a concentration of 15 mg/kg) reversed M2-EXO-induced ICB resistance in a mouse model of MC38 tumors.[2]

Solubility Information

Solubility	DMSO: 60 mg/mL (120.25 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: 2 mg/mL (4.01 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	2.0042 mL	10.0212 mL	20.0425 mL
5 mM	0.4008 mL	2.0042 mL	4.0085 mL
10 mM	0.2004 mL	1.0021 mL	2.0042 mL
50 mM	0.0401 mL	0.2004 mL	0.4008 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

Mondal T, et al. ApoE: In Vitro Studies of a Small Molecule Effector. Biochemistry. 2016 May 10;55(18):2613-21.
Zheng N, et al. M2 macrophage-derived exosomes suppress tumor intrinsic immunogenicity to confer immunotherapy resistance. Oncoimmunology. 2023 May 13;12(1):2210959.