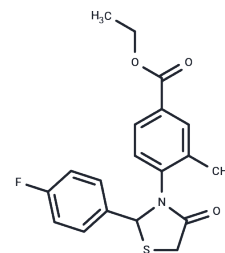


DBPR116

Chemical Properties

CAS No. : 2131200-75-2
 Formula: C₁₉H₁₈FNO₃S
 Molecular Weight: 359.42
 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	DBPR116 is a prodrug of BPRMU191 that can penetrate the blood-brain barrier. It significantly enhances the delivery efficiency of drugs targeting the central nervous system. When combined with the antagonist Naltrexone, DBPR116 demonstrates superior safety and analgesic effects compared to morphine in various in vivo pharmacological studies, including thermal pain models, cancer pain models, constipation, sedation, psychological dependence, heart rate, and respiratory frequency. As a strategy for peripheral administration, DBPR116 effectively alleviates pain while reducing adverse effects, showing promise as a safer opioid analgesic.
Targets(IC50)	Opioid Receptor

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.7823 mL	13.9113 mL	27.8226 mL
5 mM	0.5565 mL	2.7823 mL	5.5645 mL
10 mM	0.2782 mL	1.3911 mL	2.7823 mL
50 mM	0.0556 mL	0.2782 mL	0.5565 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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