

EIDD-1723

Chemical Properties

CAS No. :	1659302-89-2
Formula:	C ₂₂ H ₃₂ NNa ₂ O ₆ P
Molecular Weight:	483.45
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	EIDD-1723 is a progesterone analogue that binds to the progesterone receptor (PR) with an IC ₅₀ of 2.25 μM. As the prodrug of EIDD-036, EIDD-1723 may exert neuroprotective effects not only through the PR-dependent pathways but also via nongenomic mechanisms, such as regulating inflammation and oxidative stress. It is applicable in traumatic brain injury (TBI) research.
Targets(IC ₅₀)	Progesterone Receptor
In vitro	ANT308 (1-10 μM, 48 h) significantly enhances the expression of CD69 and Ki67 in CD4+ and CD8+ T cells.
In vivo	EIDD-1723, administered via intramuscular injection (3-30 mg/kg), intravenous injection (2 mg/kg), or orally (30 mg/kg) in a single dose, is rapidly and completely metabolized into the active metabolite EIDD-036, which can cross the blood-brain barrier. Repeated intramuscular injections of EIDD-1723 (10 mg/kg, nine times) significantly reduce cerebral edema and enhance recovery from motor, sensory, and spatial learning impairments in rats.

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.0685 mL	10.3423 mL	20.6847 mL
5 mM	0.4137 mL	2.0685 mL	4.1369 mL
10 mM	0.2068 mL	1.0342 mL	2.0685 mL
50 mM	0.0414 mL	0.2068 mL	0.4137 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

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