

M4K2306

## Chemical Properties

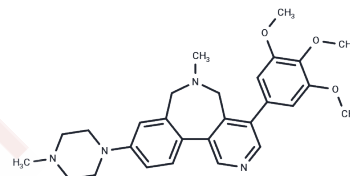
CAS No. : 3034840-25-7

Formula: C<sub>28</sub>H<sub>34</sub>N<sub>4</sub>O<sub>3</sub>

Molecular Weight: 474.59

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	M4K2306 is a selective inhibitor of activin receptor-like kinase 2 (ALK2) with an IC <sub>50</sub> of 7 nM. It is capable of penetrating the blood-brain barrier, exhibiting a brain-to-plasma ratio of 75.6.
Targets(IC <sub>50</sub> )	TGF-beta/Smad
In vivo	Following a single oral dose of M4K2306 (25 mg/kg) in the NOD-SCID mouse model, the plasma concentrations at 1 hour and 24 hours post-administration reached C max values of 254 mM and 17 mM, respectively.

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.1071 mL	10.5354 mL	21.0708 mL
5 mM	0.4214 mL	2.1071 mL	4.2142 mL
10 mM	0.2107 mL	1.0535 mL	2.1071 mL
50 mM	0.0421 mL	0.2107 mL	0.4214 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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Tel:781-999-4286

E\_mail:info@targetmol.com

Address:34 Washington Street,Wellesley Hills,MA 02481