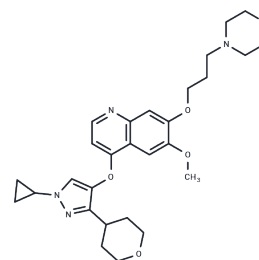


## ALK5-IN-6

## Chemical Properties

CAS No. :	2657720-04-0
Formula:	C <sub>28</sub> H <sub>36</sub> N <sub>4</sub> O <sub>5</sub>
Molecular Weight:	508.61
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	ALK5-IN-6 is a potent inhibitor of ALK5 with potential applications for TGF- $\beta$ -related diseases and conditions, including tumors, inflammatory diseases, fibrotic diseases, and autoimmune diseases. Transforming growth factor $\beta$ (TGF- $\beta$ ) is a multifunctional cytokine that regulates cell proliferation, differentiation, and apoptosis through a complex receptor signaling pathway on the cell surface in an autocrine, paracrine, and endocrine manner.
Targets(IC50)	Others, TGF-beta/Smad

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.9661 mL	9.8307 mL	19.6614 mL
5 mM	0.3932 mL	1.9661 mL	3.9323 mL
10 mM	0.1966 mL	0.9831 mL	1.9661 mL
50 mM	0.0393 mL	0.1966 mL	0.3932 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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