

Blu-782

## Chemical Properties

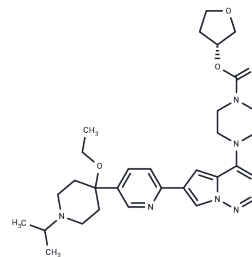
CAS No. : 2141955-96-4

Formula: C<sub>31</sub>H<sub>42</sub>N<sub>6</sub>O<sub>4</sub>

Molecular Weight: 562.7

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	Blu-782 (ALK2-IN-1) is a activin receptor-like kinase-2 (ALK2) inhibitor ( IC <sub>50</sub> of <10 nM)
Targets(IC <sub>50</sub> )	ALK,TGF-beta/Smad

## Solubility Information

Solubility	DMSO: 83.33 mg/mL (148.09 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.7771 mL	8.8857 mL	17.7715 mL
5 mM	0.3554 mL	1.7771 mL	3.5543 mL
10 mM	0.1777 mL	0.8886 mL	1.7771 mL
50 mM	0.0355 mL	0.1777 mL	0.3554 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

ALK2-IN-1

**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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