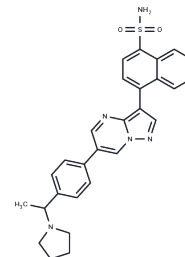


ALK2-IN-2

Chemical Properties

CAS No. :	2254409-25-9
Formula:	C ₂₈ H ₂₇ N ₅ O ₂ S
Molecular Weight:	497.61
Appearance:	no data available
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	ALK2-IN-2 is a potent and selective inhibitor of activin receptor-like kinase 2 (ALK2) with an IC ₅₀ of 9 nM, demonstrating 700-fold higher inhibition of ALK2 compared to ALK3.
Targets(IC ₅₀)	ALK,TGF-beta/Smad

Solubility Information

Solubility	DMSO: 112.5 mg/mL (226.1 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	2.0096 mL	10.048 mL	20.0961 mL
5 mM	0.4019 mL	2.0096 mL	4.0192 mL
10 mM	0.201 mL	1.0048 mL	2.0096 mL
50 mM	0.0402 mL	0.201 mL	0.4019 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.

Reference

Jiang JK, et al. Discovery of 3-(4-sulfamoylnaphthyl)pyrazolo[1,5-a]pyrimidines as potent and selective ALK2 inhibitors. Bioorg Med Chem Lett. 2018 ; 28(20):3356-3362.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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