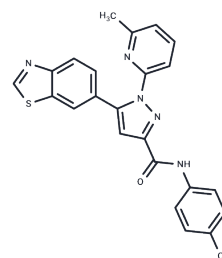


TGFBRI-IN-1

Chemical Properties

CAS No. :	2170830-26-7
Formula:	C ₂₃ H ₁₇ N ₅ O ₂ S
Molecular Weight:	427.48
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	TGFBRI-IN-1 is an inhibitor of ALK5 (IC ₅₀ of 10-100 nM).
Targets(IC ₅₀)	ALK,TGF-beta/Smad
In vitro	TGFβRI-IN-2 (compound 18) at 1 μM shows a 31% inhibition of MAP3K2 (MEKK2) with an IC ₅₀ value of 2.2 μM.

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.3393 mL	11.6965 mL	23.3929 mL
5 mM	0.4679 mL	2.3393 mL	4.6786 mL
10 mM	0.2339 mL	1.1696 mL	2.3393 mL
50 mM	0.0468 mL	0.2339 mL	0.4679 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

Novel pyrazole derivative as alk5 inhibitor and uses thereof. WO2018004290A1.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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