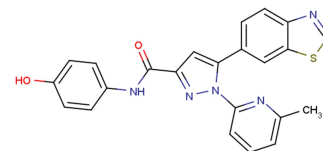


## TGFBRI-IN-1

## Chemical Properties

CAS No.:	2170830-26-7
Formula:	C23H17N5O2S
Molecular Weight:	427.48
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).



## Biological Description

Description	TGFBRI-IN-1 is an inhibitor of ALK5 (IC50 of 10-100 nM).
Targets(IC50)	ALK5: 10-100 nM
In vitro	TGFβRI-IN-2 (compound 18) at 1 μM shows a 31% inhibition of MAP3K2 (MEKK2) with an IC50 value of 2.2 μM.

## Solubility Information

Solubility	< 1 mg/ml refers to the product slightly soluble or insoluble
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.339 mL	11.696 mL	23.393 mL
5 mM	0.468 mL	2.339 mL	4.679 mL
10 mM	0.234 mL	1.17 mL	2.339 mL
50 mM	0.047 mL	0.234 mL	0.468 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

## Reference

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

Inhibitors · Natural Compounds · Compound Libraries

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Tel:781-999-4286

E-mail:[info@targetmol.com](mailto:info@targetmol.com)

Address:36 Washington Street,Wellesley Hills,MA 02481