

TGFβRI-IN-7

Chemical Properties

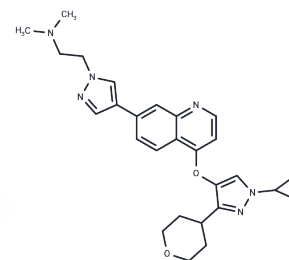
CAS No. :

Formula: C₂₇H₃₂N₆O₂

Molecular Weight: 472.582

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	TGFβRI-IN-7 (compound 16W) is a potent inhibitor of TGFβRI. It effectively inhibits the phosphorylation of SMAD2/3 and reduces the viability of H22 cells, with IC ₅₀ values of 12 nM and 65 nM, respectively. In an H22 cell xenograft model, TGFβRI-IN-7 exhibits antitumor efficacy with a TGI of 79.6%.
Targets(IC ₅₀)	TGF-beta/Smad

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.116 mL	10.5802 mL	21.1604 mL
5 mM	0.4232 mL	2.116 mL	4.2321 mL
10 mM	0.2116 mL	1.058 mL	2.116 mL
50 mM	0.0423 mL	0.2116 mL	0.4232 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

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