

THZ1-R

Chemical Properties

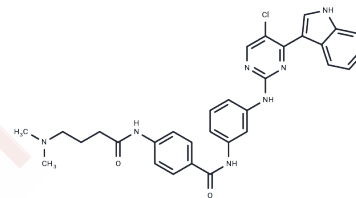
CAS No. : 1621523-07-6

Formula: C₃₁H₃₀ClN₇O₂

Molecular Weight: 568.07

Appearance: no data available

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year



Biological Description

Description	THZ1-R displays diminished activity for CDK7 inhibition(Kd:142 nM).
Targets(IC50)	CDK
In vitro	THZ1-R exhibits lower affinity for CDK7 compared to THZ1 (IC50: 146 nM).

Solubility Information

Solubility	DMSO: 100 mg/mL (176.03 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	1.7603 mL	8.8017 mL	17.6035 mL
5 mM	0.3521 mL	1.7603 mL	3.5207 mL
10 mM	0.176 mL	0.8802 mL	1.7603 mL
50 mM	0.0352 mL	0.176 mL	0.3521 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

Kwiatkowski N, et al. Targeting transcription regulation in cancer with a covalent CDK7 inhibitor. Nature. 2014 Jul 31;511(7511):616-20.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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