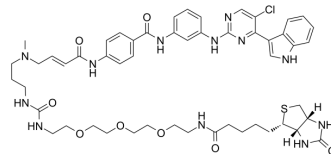


## bio-THZ1

<b>Cat. No.:</b>	HY-128867		
<b>CAS No.:</b>	1604811-14-4		
<b>Molecular Formula:</b>	C <sub>52</sub> H <sub>65</sub> ClN <sub>12</sub> O <sub>8</sub> S		
<b>Molecular Weight:</b>	1053.67		
<b>Target:</b>	CDK		
<b>Pathway:</b>	Cell Cycle/DNA Damage		
<b>Storage:</b>	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



### SOLVENT & SOLUBILITY

<b>In Vitro</b>	DMSO : 120 mg/mL (113.89 mM; Need ultrasonic)				
		Solvent Concentration	Mass		
	<b>Preparing Stock Solutions</b>		1 mg	5 mg	10 mg
		1 mM	0.9491 mL	4.7453 mL	9.4906 mL
5 mM		0.1898 mL	0.9491 mL	1.8981 mL	
	10 mM	0.0949 mL	0.4745 mL	0.9491 mL	
Please refer to the solubility information to select the appropriate solvent.					
<b>In Vivo</b>	<ol style="list-style-type: none"> <li>Add each solvent one by one: 10% DMSO &gt;&gt; 40% PEG300 &gt;&gt; 5% Tween-80 &gt;&gt; 45% saline Solubility: ≥ 6 mg/mL (5.69 mM); Clear solution</li> <li>Add each solvent one by one: 10% DMSO &gt;&gt; 90% (20% SBE-β-CD in saline) Solubility: 6 mg/mL (5.69 mM); Suspended solution; Need ultrasonic</li> <li>Add each solvent one by one: 10% DMSO &gt;&gt; 90% corn oil Solubility: ≥ 6 mg/mL (5.69 mM); Clear solution</li> </ol>				

### BIOLOGICAL ACTIVITY

<b>Description</b>	bio-THZ1 is a biotinylated version of THZ1 and binds irreversibly to CDK7. THZ1 is a selective and potent covalent CDK7 inhibitor with an IC <sub>50</sub> of 3.2 nM <sup>[1]</sup> .
<b>IC<sub>50</sub> &amp; Target</b>	CDK7 <sup>[1]</sup> .

### REFERENCES

**Caution: Product has not been fully validated for medical applications. For research use only.**

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: [tech@MedChemExpress.com](mailto:tech@MedChemExpress.com)

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA