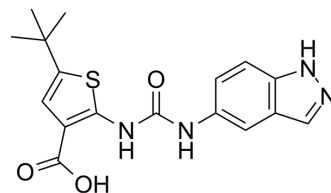


## S6K1-IN-1

Cat. No.:	HY-18313		
CAS No.:	1265789-88-5		
Molecular Formula:	C <sub>17</sub> H <sub>18</sub> N <sub>4</sub> O <sub>3</sub> S		
Molecular Weight:	358.41		
Target:	Ribosomal S6 Kinase (RSK)		
Pathway:	MAPK/ERK Pathway		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



### SOLVENT & SOLUBILITY

#### In Vitro

DMSO : 125 mg/mL (348.76 mM; Need ultrasonic)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	2.7901 mL	13.9505 mL	27.9010 mL
	5 mM	0.5580 mL	2.7901 mL	5.5802 mL
	10 mM	0.2790 mL	1.3951 mL	2.7901 mL

Please refer to the solubility information to select the appropriate solvent.

### BIOLOGICAL ACTIVITY

#### Description

S6K-18 is a potent and selective p70S6K1 inhibitor with an IC<sub>50</sub> of 52 nM<sup>[1]</sup>.

#### IC<sub>50</sub> & Target

p70S6K1  
52 nM (IC<sub>50</sub>)

### REFERENCES

[1]. Ye P, et al. Potent and selective thiophene urea-templated inhibitors of S6K. Bioorg Med Chem Lett. 2011 Jan 15;21(2):849-52.

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

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