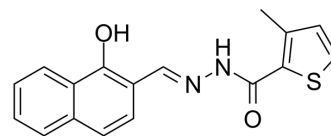


## PCNA-I1

Cat. No.:	HY-124012		
CAS No.:	444930-42-1		
Molecular Formula:	C <sub>17</sub> H <sub>14</sub> N <sub>2</sub> O <sub>2</sub> S		
Molecular Weight:	310.37		
Target:	DNA/RNA Synthesis		
Pathway:	Cell Cycle/DNA Damage		
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 : 100 mg/mL (322.20 mM; ultrasonic and warming and heat to 60°C)

Concentration	Mass		
	1 mg	5 mg	10 mg
1 mM	3.2220 mL	16.1098 mL	32.2196 mL
5 mM	0.6444 mL	3.2220 mL	6.4439 mL
10 mM	0.3222 mL	1.6110 mL	3.2220 mL

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

### BIOLOGICAL ACTIVITY

#### Description

PCNA-I1 is a potent PCNA (proliferating cell nuclear antigen) inhibitor. PCNA-I1 directly binds PCNA trimers with a K<sub>d</sub> of 0.41 μM and exhibits antitumor activity both in vitro and in vivo<sup>[1]</sup>.

### REFERENCES

[1]. Tan Z, et al. Small-molecule targeting of proliferating cell nuclear antigen chromatin association inhibits tumor cell growth. *Mol Pharmacol.* 2012 Jun;81(6):811-9.

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

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