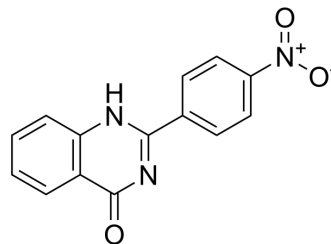


## TNKS-2-IN-1

<b>Cat. No.:</b>	HY-23338		
<b>CAS No.:</b>	4765-59-7		
<b>Molecular Formula:</b>	C <sub>14</sub> H <sub>9</sub> N <sub>3</sub> O <sub>3</sub>		
<b>Molecular Weight:</b>	267.24		
<b>Target:</b>	PARP		
<b>Pathway:</b>	Cell Cycle/DNA Damage; Epigenetics		
<b>Storage:</b>	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



### SOLVENT & SOLUBILITY

#### In Vitro

DMSO : 1 mg/mL (3.74 mM; ultrasonic and warming and heat to 60°C)

Solvent	Mass	Concentration		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	3.7420 mL	18.7098 mL	37.4195 mL
	5 mM	---	---	---
	10 mM	---	---	---

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

### BIOLOGICAL ACTIVITY

#### Description

TNKS-2-IN-1 (Compound 13g) is a TNKS-2 inhibitor. TNKS-2-IN-1 inhibits TNKS-1 and TNKS-2 with IC<sub>50</sub>s of 259 nM and 1100 nM<sup>[1]</sup>.

### REFERENCES

[1]. Nathubhai A, et al. Structure-activity relationships of 2-arylquinazolin-4-ones as highly selective and potent inhibitors of the tankyrases. Eur J Med Chem. 2016 Aug 8;118:316-27.

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

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