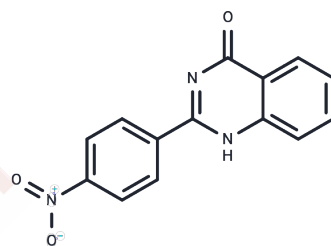


## TNKS-2-IN-1

## Chemical Properties

CAS No. :	4765-59-7
Formula:	C <sub>14</sub> H <sub>9</sub> N <sub>3</sub> O <sub>3</sub>
Molecular Weight:	267.24
Storage:	Powder: -20°C for 3 years   In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



## Biological Description

Description	TNKS-2-IN-1 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, respectively. TNKS-2-IN-1 has antimicrobial activity against E. coli and S. aureus. TNKS-2-IN-1 inhibits the release of IL-1 $\beta$ from the NLRP3 inflammasome (IC <sub>50</sub> : 5 $\mu$ M) by inhibiting IL-1 $\beta$ release from ATP-stimulated J1A.774 cells.
Targets(IC <sub>50</sub> )	Antibiotic, PARP, Wnt/beta-catenin

## Solubility Information

Solubility	DMSO: < 1 mg/mL (insoluble or slightly soluble) (< 1 mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.742 mL	18.7098 mL	37.4195 mL
5 mM	0.7484 mL	3.742 mL	7.4839 mL
10 mM	0.3742 mL	1.871 mL	3.742 mL
50 mM	0.0748 mL	0.3742 mL	0.7484 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.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

## Reference

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.

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