

TNIK-IN-7

## Chemical Properties

CAS No. : 1417795-24-4

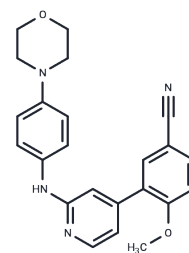
Formula: C<sub>23</sub>H<sub>22</sub>N<sub>4</sub>O<sub>2</sub>

Molecular Weight: 386.45

Store at low temperature

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	TNIK-IN-7 is a potent and selective Traf2 and Nck interacting kinase (TNIK) inhibitor (IC <sub>50</sub> : 11 nM) with antitumor activity for studying signaling and proliferation in colorectal cancer cells.
Targets(IC <sub>50</sub> )	Others,Serine Protease,Wnt/beta-catenin

## Solubility Information

Solubility	DMSO: 7.14 mg/mL (18.48 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.5877 mL	12.9383 mL	25.8766 mL
5 mM	0.5175 mL	2.5877 mL	5.1753 mL
10 mM	0.2588 mL	1.2938 mL	2.5877 mL
50 mM	0.0518 mL	0.2588 mL	0.5175 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

Koc-Kan Ho, et al. Discovery of 4-phenyl-2-phenylaminopyridine based TNIK inhibitors. Bioorg Med Chem Lett. 2013 Jan 15;23(2):569-73.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

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Tel:781-999-4286 E\_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481