## Data Sheet (Cat.No.T20533)



## NNK

Chemical Propert		
CAS No. :	64091-91-4	
Formula:	C10H13N3O2	
Molecular Weight:	207.23	
Appearance:	no data available	<b>  </b> 0
Storage:	Powder: -20°C for 3 years   In solvent: -80°C for 1 year	

<b>Biological Description</b>	e v
Description	NNK (Nicotine-derived nitrosamine ketone) is a procarcinogen and a major tobacco- specific toxicant. It inhibits the expression of lysyl oxidase which is a tumor suppressor.
Targets(IC50)	Lipoxygenase

Solubility Information	
Solubility	DMSO: 60 mg/mL (289.53 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.8256 mL	24.1278 mL	48.2556 mL
5 mM	0.9651 mL	4.8256 mL	9.6511 mL
10 mM	0.4826 mL	2.4128 mL	4.8256 mL
50 mM	0.0965 mL	0.4826 mL	0.9651 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.

## Reference

Cheng G, Li J, Zheng M, Zhao Y, Zhou J, Li W. NNK, a tobacco-specific carcinogen, inhibits the expression of lysyl oxidase, a tumor suppressor. Int J Environ Res Public Health. 2014 Dec 23;12(1):64-82.

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