

## Kinetin triphosphate tetrasodium

## Chemical Properties

CAS No. :

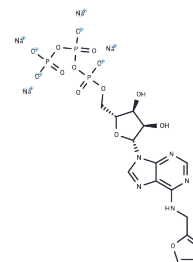
Formula: C<sub>15</sub>H<sub>16</sub>N<sub>5</sub>Na<sub>4</sub>O<sub>14</sub>P<sub>3</sub>

Molecular Weight: 675.19

Keep away from moisture

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	Kinetin triphosphate tetrasodium (KTP tetrasodium) is the tetrasodium salt form of Kinetin triphosphate, an ATP analog that enhances the activity of Parkinson's disease-associated mutant mitochondrial kinases PINK1(G309D) and PINK1(WT) and has therapeutic potential for neurodegenerative diseases.
Targets(IC50)	PTEN

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.4811 mL	7.4053 mL	14.8106 mL
5 mM	0.2962 mL	1.4811 mL	2.9621 mL
10 mM	0.1481 mL	0.7405 mL	1.4811 mL
50 mM	0.0296 mL	0.1481 mL	0.2962 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

Nicholas T Hertz, et al. A neo-substrate that amplifies catalytic activity of parkinson's-disease-related kinase PINK1. Cell. 2013 Aug 15;154(4):737-47.

Julian G Hurdle, et al. Anti-staphylococcal activity of indolmycin, a potential topical agent for control of staphylococcal infections. J Antimicrob Chemother. 2004 Aug;54(2):549-52.

M R Harnden, et al. Thiazolinone analogues of indolmycin with antiviral and antibacterial activity. J Med Chem. 1978 Jan;21(1):82-7.

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