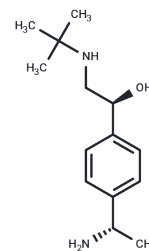


MK-1496

## Chemical Properties

CAS No. : 1037254-47-9  
 Formula: C<sub>14</sub>H<sub>24</sub>N<sub>2</sub>O  
 Molecular Weight: 236.35  
 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	MK1496 is a n orally bioavailable Polo-like kinase 1 (Plk1) inhibitor with potential antineoplastic activity. Polo-like kinase 1 inhibitor MK1496 selectively inhibits Plk1, inducing selective G2/M arrest followed by apoptosis in a variety of tumor cells while causing reversible cell arrest at the G1 and G2 stage without apoptosis in normal cells. Plk1, named after the polo gene of Drosophila melanogaster, is a serine/threonine protein kinase involved in regulating mitotic spindle function in a non-ATP competitive manner. Check for active clinical trials or closed clinical trials using this agent. (NCI Thesaurus).
Targets(IC50)	Others

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.231 mL	21.1551 mL	42.3101 mL
5 mM	0.8462 mL	4.231 mL	8.462 mL
10 mM	0.4231 mL	2.1155 mL	4.231 mL
50 mM	0.0846 mL	0.4231 mL	0.8462 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.

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

This product is for Research Use Only· Not for Human or Veterinary or Therapeutic Use

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