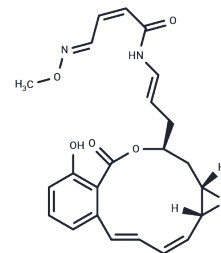


## Oximidine III

## Chemical Properties

CAS No. :	664365-72-4
Formula:	C <sub>23</sub> H <sub>24</sub> N <sub>2</sub> O <sub>6</sub>
Molecular Weight:	424.45
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	Oximidine III is an antitumor antibiotic that selectively inhibits the growth of rat fibroblast 3Y1 cells and induces mutations in various tumor genes. The inhibitory effects of Oximidine III on vH-ras-3Y1, v-src-3Y1 cells, and normal 3Y1 cells have IC <sub>50</sub> values of 14 nM, 4.5 nM, and 140 nM, respectively. Additionally, Oximidine III arrests cells with RAS or SRC mutations in the G1 phase of the cell cycle and increases the expression of p21WAF1.
Targets(IC <sub>50</sub> )	Antibacterial, Antibiotic

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.356 mL	11.780 mL	23.5599 mL
5 mM	0.4712 mL	2.356 mL	4.712 mL
10 mM	0.2356 mL	1.178 mL	2.356 mL
50 mM	0.0471 mL	0.2356 mL	0.4712 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

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