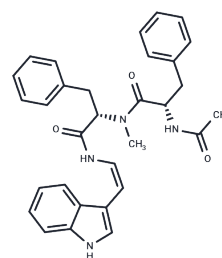


## Miyakamide A1

## Chemical Properties

CAS No. :	497252-38-7
Formula:	C <sub>31</sub> H <sub>32</sub> N <sub>4</sub> O <sub>3</sub>
Molecular Weight:	508.611
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	Miyakamide A1 is an antibiotic with insecticidal properties that inhibits the growth of brine shrimp and exhibits weak activity against Xanthomonas bacteria. Its IC <sub>50</sub> for inhibiting P388 cells is 10.5 µg/mL.
Targets(IC <sub>50</sub> )	Antibacterial, Antibiotic

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.9661 mL	9.8307 mL	19.6614 mL
5 mM	0.3932 mL	1.9661 mL	3.9323 mL
10 mM	0.1966 mL	0.9831 mL	1.9661 mL
50 mM	0.0393 mL	0.1966 mL	0.3932 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