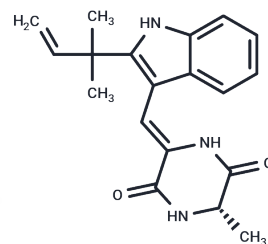


## Neoechinulin A

## Chemical Properties

CAS No. :	51551-29-2
Formula:	C <sub>19</sub> H <sub>21</sub> N <sub>3</sub> O <sub>2</sub>
Molecular Weight:	323.39
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	Neoechinulin A has anti-inflammatory effect against LPS-stimulated RAW264.7 macrophages through inhibition of the NF- $\kappa$ B and p38 MAPK pathways, it may block the phosphorylation of mitogen-activated protein kinase (MAPK) molecule p38, apoptosis signal-regulating kinase 1 (ASK-1) and nuclear translocation of nuclear factor- $\kappa$ B (NF- $\kappa$ B) p65 and p50 subunits, it has a potential to be developed as a modulator of neuroinflammatory process in Alzheimer's disease. Neoechinulin A may ameliorate rotenone toxicity by activating a cytoprotective machinery that requires ATP and antioxidant/anti-nitration activities.
Targets(IC50)	Apoptosis, Beta Amyloid, ASK, NOS, NF- $\kappa$ B, COX, I $\kappa$ B/IKK, NADPH-oxidase, p38 MAPK, Prostaglandin Receptor, TNF

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.0922 mL	15.4612 mL	30.9224 mL
5 mM	0.6184 mL	3.0922 mL	6.1845 mL
10 mM	0.3092 mL	1.5461 mL	3.0922 mL
50 mM	0.0618 mL	0.3092 mL	0.6184 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