

Tentoxin

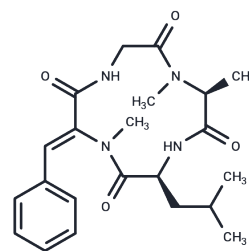
Chemical Properties

CAS No. : 28540-82-1

Formula: C₂₂H₃₀N₄O₄

Molecular Weight: 414.5

Storage: Store at low temperature, Keep away from direct sunlight
 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	Tentoxin, a cyclic peptide produced by phytopathogenic fungi, inactivates the F1 motor in sensitive plants at nanomolar to micromolar concentrations, whereas higher concentrations surpass the natural activity of the enzyme.
Targets(IC50)	Endogenous Metabolite
In vivo	The cyclic tetrapeptide, tentoxin (18), is produced by the fungus <i>Alternaria alternata</i> [1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.4125 mL	12.0627 mL	24.1255 mL
5 mM	0.4825 mL	2.4125 mL	4.8251 mL
10 mM	0.2413 mL	1.2063 mL	2.4125 mL
50 mM	0.0483 mL	0.2413 mL	0.4825 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

Arntzen CJ. Inhibition of photophosphorylation by tentoxin, a cyclic tetrapeptide. *Biochim Biophys Acta*. 1972 Dec 14;283(3):539-42.

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