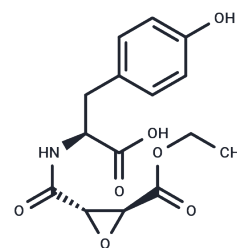


EpoY

Chemical Properties

CAS No. :	245660-13-3
Formula:	C ₁₅ H ₁₇ N ₁ O ₇
Molecular Weight:	323.30
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



Biological Description

Description	EpoY (SD-142) is an irreversible inhibitor of the primary brain microtubule-associated tyrosine carboxypeptidase (TCP), a complex formed by vasohibin-1 (VASH1) and small vasohibin-binding protein (SVBP). By inhibiting TCP with an IC ₅₀ value of approximately 500 nM, EpoY effectively reduces the levels of detyrosinated α -tubulin, which is crucial for microtubule dynamics and neuronal differentiation. This inhibition results in significant differentiation defects and is linked to potential issues related to cancer and cardiomyopathy.
Targets(IC50)	Others,Endogenous Metabolite

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.0931 mL	15.4655 mL	30.931 mL
5 mM	0.6186 mL	3.0931 mL	6.1862 mL
10 mM	0.3093 mL	1.5466 mL	3.0931 mL
50 mM	0.0619 mL	0.3093 mL	0.6186 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