

Endotoxin inhibitor TFA

Chemical Properties

CAS No. :

Formula: C67H103F18N15O24S2

Molecular Weight: 1908.72

Keep away from moisture

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 | Endotoxin Inhibitor TFA is a synthetic peptide that exhibits high-affinity binding to lipid A, effectively detoxifying LPS and impeding LPS-induced cytokine release in vivo. It also suppresses the febrile response to LPS while demonstrating minimal toxicity and lethality [1]. |
| Targets(IC50) | Interleukin |
| In vivo | The endotoxin inhibitor TFA, when administered intraperitoneally (i.p.) at a dose of 0.5 mg/kg, significantly reduces the heat exposure-induced increase in the mRNA levels of IL-1 β , COX-2, I κ B- β , and LPS activity. Additionally, it mitigates the hypothermia and plasma ACTH and catecholamine responses elicited by heat exposure in aged rats [1]. |

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|-------|-----------|-----------|-----------|
| 1 mM | 0.5239 mL | 2.6196 mL | 5.2391 mL |
| 5 mM | 0.1048 mL | 0.5239 mL | 1.0478 mL |
| 10 mM | 0.0524 mL | 0.262 mL | 0.5239 mL |
| 50 mM | 0.0105 mL | 0.0524 mL | 0.1048 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