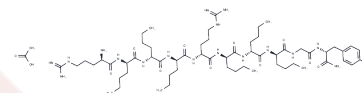


Delmitide acetate

Chemical Properties

| | |
|-------------------|---|
| CAS No. : | 501019-16-5 |
| Formula: | C ₆₁ H ₁₀₉ N ₁₇ O ₁₃ |
| Molecular Weight: | 1288.62 |
| Storage: | Keep away from moisture 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 | Delmitide acetate (RDP58) is an orally active d-isomer decapeptide with potent anti-inflammatory properties, suppressing TNF- α , IFN- γ , and interleukin (IL)-12 production, while enhancing heme oxygenase 1 activity. It is utilized in research related to ulcerative colitis [1] [2]. |
| Targets(IC50) | Reactive Oxygen Species,IFNAR,ROS,TNF |
| In vivo | Delmitide acetate administered orally at doses of 2.5, 5, and 10 mg/kg daily markedly mitigated CPT-11-induced diarrhea, mucosal inflammation, and mortality in mice by inhibiting the excessive synthesis of proinflammatory cytokines, including TNF- α , IFN- γ , and IL-12, in vivo [2]. Furthermore, it fostered an improved tumor response and extended the duration until relapse, all without concurrent gastrointestinal toxicity in the mice [2]. |

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|-------|-----------|-----------|-----------|
| 1 mM | 0.776 mL | 3.8801 mL | 7.7602 mL |
| 5 mM | 0.1552 mL | 0.776 mL | 1.552 mL |
| 10 mM | 0.0776 mL | 0.388 mL | 0.776 mL |
| 50 mM | 0.0155 mL | 0.0776 mL | 0.1552 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

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