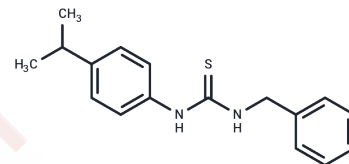


Anti-inflammatory agent 15

Chemical Properties

| | |
|-------------------|---|
| CAS No. : | 474516-87-5 |
| Formula: | C ₁₇ H ₂₀ N ₂ S |
| Molecular Weight: | 284.42 |
| 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 | Anti-inflammatory agent 15 (compound 29) is a potent antimycobacterial agent used in tuberculosis (TB) research, inhibiting the growth of Mtb H37Rv and M299 with MIC50 values of 2.3 and 7.8 μ M, respectively. This compound also suppresses the expression of iNOS, thereby inhibiting NO, TNF- α , and IL-1 β production [1]. |
| Targets(IC50) | Others, Antibacterial, TNF |
| In vitro | Anti-inflammatory agent 15 (compound 29) significantly reduces accumulated nitrite, with an inhibitory concentration (IC50) of 71.7 \pm 1.1 μ M [1]. |

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|-------|-----------|------------|------------|
| 1 mM | 3.5159 mL | 17.5796 mL | 35.1593 mL |
| 5 mM | 0.7032 mL | 3.5159 mL | 7.0319 mL |
| 10 mM | 0.3516 mL | 1.758 mL | 3.5159 mL |
| 50 mM | 0.0703 mL | 0.3516 mL | 0.7032 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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