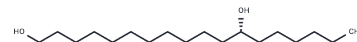


(12R)-1,12-Octadecanediol

Chemical Properties

| | |
|-------------------|---|
| CAS No. : | 1466461-81-3 |
| Formula: | C ₁₈ H ₃₈ O ₂ |
| Molecular Weight: | 286.493 |
| 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 | (12R)-1,12-Octadecanediol ((12R)-Octadecane-1,12-diol) is a compound characterized by an 18-carbon straight chain and two hydroxyl groups (C ₁₈ H ₃₈ O ₂). This colorless substance possesses unique properties due to the presence of two hydroxyl groups in its molecular structure. It can be sourced naturally or synthesized chemically and is utilized across various industries. Known for its emollient qualities, it is frequently found in the formulations of cosmetics, personal care products, and pharmaceuticals, where it enhances moisturizing and conditioning effects. The compound's distinctive structure makes it suitable for specific applications in research or industrial processes. In industrial settings, it serves as a valuable chemical intermediate for synthesizing other compounds. |
|-------------|---|

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|-------|-----------|------------|------------|
| 1 mM | 3.4905 mL | 17.4526 mL | 34.9052 mL |
| 5 mM | 0.6981 mL | 3.4905 mL | 6.981 mL |
| 10 mM | 0.3491 mL | 1.7453 mL | 3.4905 mL |
| 50 mM | 0.0698 mL | 0.3491 mL | 0.6981 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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