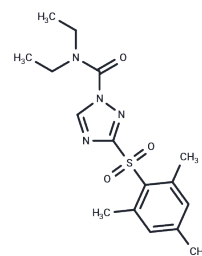


Cafenstrole

Chemical Properties

| | |
|-------------------|---|
| CAS No. : | 125306-83-4 |
| Formula: | C ₁₆ H ₂₂ N ₄ O ₃ S |
| Molecular Weight: | 350.44 |
| 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 | Cafenstrole serves as a herbicide. It is a potent inhibitor of microsomal elongase, an enzyme involved in the biosynthesis of fatty acids with alkyl chains exceeding C18. |
| Targets(IC50) | Others |

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|-------|-----------|------------|------------|
| 1 mM | 2.8536 mL | 14.2678 mL | 28.5356 mL |
| 5 mM | 0.5707 mL | 2.8536 mL | 5.7071 mL |
| 10 mM | 0.2854 mL | 1.4268 mL | 2.8536 mL |
| 50 mM | 0.0571 mL | 0.2854 mL | 0.5707 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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