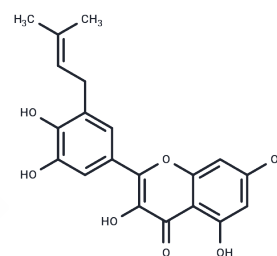


Uralenol

Chemical Properties

| | |
|-------------------|---|
| CAS No. : | 139163-15-8 |
| Formula: | C ₂₀ H ₁₈ O ₇ |
| Molecular Weight: | 370.35 |
| 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 | Uralenol significantly shows the inhibitory activities against the PTP1B enzyme; it also shows inhibitory activities on mushroom tyrosinase using l-tyrosine as substrate(IC ₅₀ =49.5 μM). Uralenol shows potent anti-proliferation effects on ER-positive breast cancer MCF-7 cells in vitro. |
| Targets(IC ₅₀) | Estrogen/progestogen Receptor,Phosphatase,Tyrosinase |

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|-------|-----------|------------|------------|
| 1 mM | 2.7001 mL | 13.5007 mL | 27.0015 mL |
| 5 mM | 0.540 mL | 2.7001 mL | 5.4003 mL |
| 10 mM | 0.270 mL | 1.3501 mL | 2.7001 mL |
| 50 mM | 0.054 mL | 0.270 mL | 0.540 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.

Reference

Tyrosinase inhibitors from paper mulberry (*Broussonetia papyrifera*) Food Chemistry, 2008, 106(2):529-535.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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