

Tetrahymanol

Chemical Properties

CAS No. : 2130-17-8

Formula: C₃₀H₅₂O

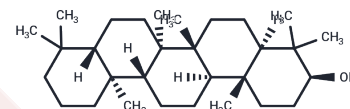
Molecular Weight: 428.73

Storage:

Keep away from direct sunlight, Keep away from moisture, Store at low temperature

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 | Tetrahymanol is a cyclic triterpenoid present in <i>Tetrahymena pyriformis</i> and marine sediments that does not require molecular oxygen. |
| Targets(IC50) | Others |

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|-------|-----------|------------|------------|
| 1 mM | 2.3325 mL | 11.6624 mL | 23.3247 mL |
| 5 mM | 0.4665 mL | 2.3325 mL | 4.6649 mL |
| 10 mM | 0.2332 mL | 1.1662 mL | 2.3325 mL |
| 50 mM | 0.0466 mL | 0.2332 mL | 0.4665 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

Sanchez Granel ML, Cánepa C, Cid NG, Navarro JC, Monroig Ó, Verstraeten SV, Nudel CB, Nusblat AD. Gene identification and functional characterization of a Δ^{12} fatty acid desaturase in *Tetrahymena thermophila* and its influence in homeoviscous adaptation to low temperature. *Biochim Biophys Acta Mol Cell Biol Lipids*. 2019 Nov; 1864(11):1644-1655.

Toyama T, et al. Gibberellin biosynthetic inhibitors make human malaria parasite *Plasmodium falciparum* cells swell and rupture to death. *PLoS One*. 2012;7(3):e32246.

Hamed AI, et al. Unusual fernane and gammacerane glycosides from the aerial parts of *Spergula fallax*. *J Nat Prod*. 2014 Mar 28;77(3):657-62.

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