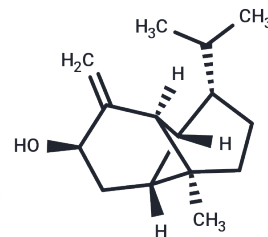


Lemnalol

Chemical Properties

| | |
|-------------------|---|
| CAS No. : | 82570-34-1 |
| Formula: | C ₁₅ H ₂₄ O |
| Molecular Weight: | 220.35 |
| 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 | Lemnalol is a natural marine compound from the Formosan soft coral <i>Lemnalia cervicorni</i> . It exhibits anti-inflammatory and analgesic effects in carrageenan-injected rats. |
| Targets(IC ₅₀) | Others, NF-κB |

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|-------|-----------|------------|------------|
| 1 mM | 4.5382 mL | 22.6912 mL | 45.3823 mL |
| 5 mM | 0.9076 mL | 4.5382 mL | 9.0765 mL |
| 10 mM | 0.4538 mL | 2.2691 mL | 4.5382 mL |
| 50 mM | 0.0908 mL | 0.4538 mL | 0.9076 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

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Lee HP, Huang SY, Lin YY, Wang HM, Jean YH, Wu SF, Duh CY, Wen ZH. Soft coral-derived lemnalol alleviates monosodium urate-induced gouty arthritis in rats by inhibiting leukocyte infiltration and iNOS, COX-2 and c-Fos protein expression. *Mar Drugs*. 2013 Jan 10;11(1):99-113. doi: 10.3390/md11010099. PubMed PMID: 23306170; PubMed Central PMCID: PMC3564160.

Lin YC, Huang SY, Jean YH, Chen WF, Sung CS, Kao ES, Wang HM, Chakraborty C, Duh CY, Wen ZH. Intrathecal lemnalol, a natural marine compound obtained from Formosan soft coral, attenuates nociceptive responses and the activity of spinal glial cells in neuropathic rats. *Behav Pharmacol*. 2011 Dec;22(8):739-50. doi: 10.1097/FBP.0b013e32834d0ecb. PubMed PMID: 22067479.

Jean YH, Chen WF, Duh CY, Huang SY, Hsu CH, Lin CS, Sung CS, Chen IM, Wen ZH. Inducible nitric oxide synthase and cyclooxygenase-2 participate in anti-inflammatory and analgesic effects of the natural marine compound lemnalol from Formosan soft coral *Lemnalia cervicorni*. *Eur J Pharmacol*. 2008 Jan 14;578(2-3):323-31. Epub 2007 Sep 20. PubMed PMID: 17916350.

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