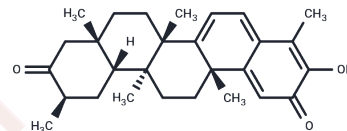


Tingenone

Chemical Properties

CAS No. : 50802-21-6
 Formula: C₂₈H₃₆O₃
 Molecular Weight: 420.593
 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	Tingenone is a pentacyclic triterpene. It induces peripheral antinociception due to opioidergic activation.
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.3776 mL	11.8881 mL	23.7761 mL
5 mM	0.4755 mL	2.3776 mL	4.7552 mL
10 mM	0.2378 mL	1.1888 mL	2.3776 mL
50 mM	0.0476 mL	0.2378 mL	0.4755 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

- Veloso Cde C, Rodrigues VG, Ferreira RC, Duarte LP, Klein A, Duarte ID, Romero TR, Perez Ade C. Tingenone, a pentacyclic triterpene, induces peripheral antinociception due to opioidergic activation. *Planta Med.* 2014 Nov;80(17):1615-21. doi: 10.1055/s-0034-1383147. Epub 2014 Oct 22. PubMed PMID: 25338214.
- de Carvalho Veloso C, Rodrigues VG, Ferreira RC, Duarte LP, Klein A, Duarte ID, Romero TR, de Castro Perez A. Tingenone, a pentacyclic triterpene, induces peripheral antinociception due to NO/cGMP and ATP-sensitive K(+) channels pathway activation in mice. *Eur J Pharmacol.* 2015 May 15;755:1-5. doi: 10.1016/j.ejphar.2015.02.038. Epub 2015 Mar 5. PubMed PMID: 25748602.
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- Goijman SG, Turrens JF, Marini-Bettolo GB, Stoppani AO. Effect of tingenone, a quinonoid triterpene, on growth and macromolecule biosynthesis in *Trypanosoma cruzi*. *Experientia.* 1985 May 15;41(5):646-8. PubMed PMID: 3888660.

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