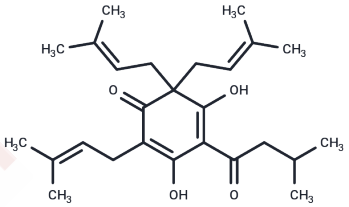
Data Sheet (Cat.No.T21005)

TargetMol

Lupulon

Chemical Properties



CAS No. : 468-28-0

Formula: C26H38O4

Molecular Weight: 414.58

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	Lupulon has a role as an apoptosis inducer, antimicrobial agent, angiogenesis inhibitor, and antineoplastic agent.
Targets(IC50)	Others,Antibacterial

Solubility Information

Solubility	DMSO: Soluble, (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.4121 mL	12.0604 mL	24.1208 mL
5 mM	0.4824 mL	2.4121 mL	4.8242 mL
10 mM	0.2412 mL	1.206 mL	2.4121 mL
50 mM	0.0482 mL	0.2412 mL	0.4824 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

Schulz C, Fritz N, Sommer T, Krofta K, Friedland K, Pischetsrieder M. Activation of membrane-located Ca(2+) channels by hop beta acids and their tricyclic transformation products. Food Chem. 2018 Jun 30;252:215-227. doi: 10.1016/j.foodchem.2018.01.073. Epub 2018 Jan 10. PubMed PMID: 29478534.

Bogdanova K, Röderova M, Kolar M, Langova K, Dusek M, Jost P, Kubelkova K, Bostik P, Olsovska J. Antibiofilm activity of bioactive hop compounds humulone, lupulone and xanthohumol toward susceptible and resistant staphylococci. Res Microbiol. 2018 Apr;169(3):127-134. doi: 10.1016/j.resmic.2017.12.005. Epub 2018 Jan 31. PubMed PMID: 29407045.

Cermak P, Olsovska J, Mikyska A, Dusek M, Kadleckova Z, Vanicek J, Nyc O, Sigler K, Bostikova V, Bostik P. Strong antimicrobial activity of xanthohumol and other derivatives from hops (Humulus lupulus L.) on gut anaerobic bacteria. APMIS. 2017 Nov;125(11):1033-1038. doi: 10.1111/apm.12747. Epub 2017 Sep 28. PubMed PMID: 28960474.

Matoušek J, Kocábek T, Patzak J, Bříza J, Siglová K, Mishra AK, Duraisamy GS, Týcová A, Ono E, Krofta K. The "putative" role of transcription factors from HlWRKY family in the regulation of the final steps of prenylflavonid and bitter acids biosynthesis in hop (Humulus lupulus L.). Plant Mol Biol. 2016 Oct;92(3):263-77. doi: 10.1007/s11103-016-0510-7. Epub 2016 Jul 8. PubMed PMID: 27392499.

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481