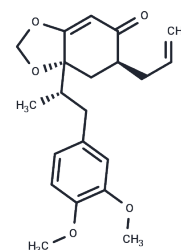


Bifidenone

Chemical Properties

CAS No. :	2078008-57-6
Formula:	C ₂₁ H ₂₆ O ₅
Molecular Weight:	358.43
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	Bifidenone is an effective tubulin polymerization inhibitor.
Targets(IC50)	Others, Microtubule Associated

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.7899 mL	13.9497 mL	27.8995 mL
5 mM	0.558 mL	2.7899 mL	5.5799 mL
10 mM	0.279 mL	1.395 mL	2.7899 mL
50 mM	0.0558 mL	0.279 mL	0.558 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

- Huang Z, Williams RB, Martin SM, Lawrence JA, Norman VL, O'Neil-Johnson M, Harding J, Mangette JE, Liu S, Guzzo P, Starks CM, Eldridge GR. Bifidenone: Structure-Activity Relationship and Advanced Preclinical Candidate. *J Med Chem*. 2018 Jul 11. doi: 10.1021/acs.jmedchem.7b01644. [Epub ahead of print] PubMed PMID: 29995409.
- Huang Z, Williams RB, O'Neil-Johnson M, Eldridge GR, Mangette JE, Starks CM. A Total Synthesis of Bifidenone. *J Org Chem*. 2017 Apr 21;82(8):4235-4241. doi: 10.1021/acs.joc.7b00202. Epub 2017 Mar 31. PubMed PMID: 28351141.
- Williams RB, Martin SM, Lawrence JA, Norman VL, O'Neil-Johnson M, Eldridge GR, Starks CM. Isolation and Identification of the Novel Tubulin Polymerization Inhibitor Bifidenone. *J Nat Prod*. 2017 Mar 24;80(3):616-624. doi: 10.1021/acs.jnatprod.6b00893. Epub 2016 Nov 14. PubMed PMID: 28335606.

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