

FR-198248

Chemical Properties

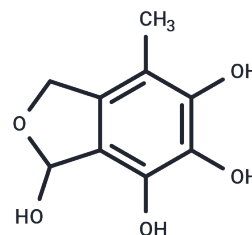
CAS No. : 197316-54-4

Formula: C₉H₁₀O₅

Molecular Weight: 198.17

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	FR-198248, a new anti-influenza agent, shows antiinfluenza virus activity in Madin-Darby canine kidney (MDCK) cells in vitro.
Targets(IC50)	Others, Influenza Virus

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	5.0462 mL	25.2309 mL	50.4617 mL
5 mM	1.0092 mL	5.0462 mL	10.0923 mL
10 mM	0.5046 mL	2.5231 mL	5.0462 mL
50 mM	0.1009 mL	0.5046 mL	1.0092 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

Kwon YJ, Zheng CJ, Kim WG. Isolation and identification of FR198248, a hydroxylated 1,3-dihydroisobenzofuran, from *Aspergillus flavipes* as an inhibitor of peptide deformylase. *Biosci Biotechnol Biochem.* 2010;74(2):390-3. Epub 2010 Feb 7. PubMed PMID: 20139618.

Nishihara Y, Takase S, Tsujii E, Hatanaka H, Hashimoto S. New anti-influenza agents, FR198248 and its derivatives. II. Characterization of FR198248, its related compounds and some derivatives. *J Antibiot (Tokyo).* 2001 Mar;54(3):297-303. PubMed PMID: 11372786.

Nishihara Y, Tsujii E, Yamagishi Y, Sakamoto K, Tsurumi Y, Furukawa S, Ohtsu R, Kino T, Hino M, Yamashita M, Hashimoto S. FR198248, a new anti-influenza agent isolated from *Aspergillus terreus* No 13830. I. Taxonomy, fermentation, isolation, physico-chemical properties and biological activities. *J Antibiot (Tokyo).* 2001 Feb;54(2):136-43. PubMed PMID: 11302485.

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