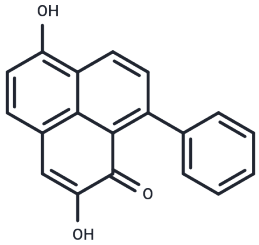
Data Sheet (Cat.No.T32523)

TargetMol

Lachnanthocarpone

Chemical Properties



CAS No. : 28241-21-6

Formula: C19H12O3

Molecular Weight: 288.3

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	Lachnanthocarpone is a member of the 6-oxygenated phenylphenalenones.
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.4686 mL	17.343 mL	34.6861 mL
5 mM	0.6937 mL	3.4686 mL	6.9372 mL
10 mM	0.3469 mL	1.7343 mL	3.4686 mL
50 mM	0.0694 mL	0.3469 mL	0.6937 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

Monakhova Y, Schneider B. The intramolecular Diels-Alder reaction of diarylheptanoids--quantum chemical calculation of structural features favoring the formation of phenylphenalenones. Molecules. 2014 Apr 23;19(4):5231-42. doi: 10.3390/molecules19045231. PubMed PMID: 24762963.

Munde T, Brand S, Hidalgo W, Maddula RK, Svatoš A, Schneider B. Biosynthesis of tetraoxygenated phenylphenalenones in Wachendorfia thyrsiflora. Phytochemistry. 2013 Jul;91:165-76. doi: 10.1016/j.phytochem.2012.02.020. Epub 2012 Mar 17. PubMed PMID: 22429758.

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