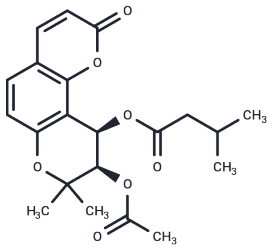
Data Sheet (Cat.No.T69146)

TargetMol

Suksdorfin

Chemical Properties



CAS No. : 53023-17-9

Formula: C21H24O7

Molecular Weight: 388.41

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	Suksdorfin has hypoglycemic effects, promotes adipocyte differentiation and enhances lipocalin production, activates peroxisome proliferator-activated receptor gamma (PPARγ), promotes insulin-dependent glucose uptake by adipocytes, and can be used to study obesity.
Targets(IC50)	HIV Protease,PPAR

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.5746 mL	12.873 mL	25.746 mL
5 mM	0.5149 mL	2.5746 mL	5.1492 mL
10 mM	0.2575 mL	1.2873 mL	2.5746 mL
50 mM	0.0515 mL	0.2575 mL	0.5149 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

Iwase M,et al. Suksdorfin Promotes Adipocyte Differentiation and Improves Abnormalities in Glucose Metabolism via PPARγ Activation. Lipids. 2017 Jul;52(7):657-664.

Lee TT,et al. Suksdorfin: an anti-HIV principle from Lomatium suksdorfii, its structure-activity correlation with related coumarins, and synergistic effects with anti-AIDS nucleosides. Bioorg Med Chem. 1994 Oct;2(10):1051-6.

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