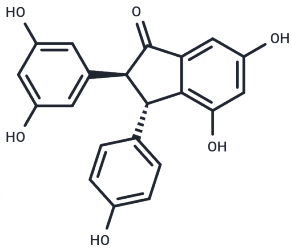
Data Sheet (Cat.No.TN8920)

TargetMol

Isopauciflorol F

Chemical Properties



CAS No. : 1447417-88-0

Formula: C21H16O6

Molecular Weight: 364.35

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	Isopauciflorol F is a polyphenolic compound derived from resveratrol, which shows estrogen receptor β(ERβ) activity (EC_{50} is about 46.96 μM) and shows potential anti-osteoporosis effect.
Targets(IC50)	Estrogen Receptor/ERR
In vivo	Isopauciflorol F (10 μg/kg, taken orally) showed significant anti-osteoporosis effect on OVX female rats [2].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.7446 mL	13.7231 mL	27.4461 mL
5 mM	0.5489 mL	2.7446 mL	5.4892 mL
10 mM	0.2745 mL	1.3723 mL	2.7446 mL
50 mM	0.0549 mL	0.2745 mL	0.5489 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

Sadia Faiz, et al. Synthetic strategies toward the synthesis of polyphenolic natural products: Pauciflorol F and isopauciflorol F: A review. Synthetic Communications. Volume 47, 2017-Issue 12.

Hao XD, et al. Synthesis, estrogenic activity, and anti-osteoporosis effects in ovariectomized rats of resveratrol oligomer derivatives. Eur J Med Chem. 2015 Sep 18;102:26-38.

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