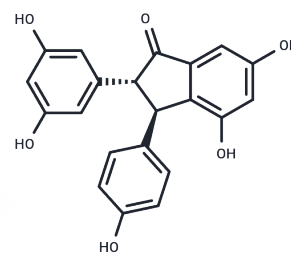


Isopaucifloral F

Chemical Properties

CAS No. :	1001259-00-2
Formula:	C ₂₁ H ₁₆ O ₆
Molecular Weight:	364.348
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	Isopaucifloral F ((±)-Isopaucifloral F) is a sesquiterpene derived from resveratrol. It functions as an orally active ER β agonist with an EC ₅₀ of 46.96 μ M and exhibits anti-osteoporotic activity. In rats, the compound has an LD ₅₀ of greater than 5 mg/kg.
Targets(IC ₅₀)	Estrogen Receptor/ERR
In vivo	Isopaucifloral F (10 μ g/kg, oral administration) demonstrated significant anti-osteoporotic effects in ovariectomized (OVX) female rats.

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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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