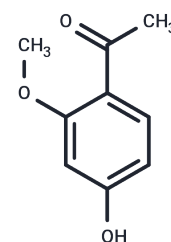


Isopeonol

Chemical Properties

CAS No. :	493-33-4
Formula:	C ₉ H ₁₀ O ₃
Molecular Weight:	166.17
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	Isopeonol (1-(4-hydroxy-2-methoxyphenyl)ethanone) is a useful life science reagent for biochemical experiments and organic synthesis.
Targets(IC50)	Others
In vitro	Isopeonol, an isoflavonoid isolated from <i>Iris germanica</i> , shows mild in vitro anti-inflammatory activity by inhibiting superoxide production in human neutrophils. Using the WST-1 reduction assay, Isopeonol exhibited an IC ₅₀ of 827.00 ± 7.67 μM and showed 27.19% inhibition at 500 μM, indicating weak efficacy[1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	6.0179 mL	30.0897 mL	60.1793 mL
5 mM	1.2036 mL	6.0179 mL	12.0359 mL
10 mM	0.6018 mL	3.009 mL	6.0179 mL
50 mM	0.1204 mL	0.6018 mL	1.2036 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

Rahman AU, Nasim S, Baig I, Jalil S, Orhan I, Sener B, Choudhary MI. Anti-inflammatory isoflavonoids from the rhizomes of *Iris germanica*. *J Ethnopharmacol.* 2003 Jun;86(2-3):177-80.

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