

Methyl Kakuol

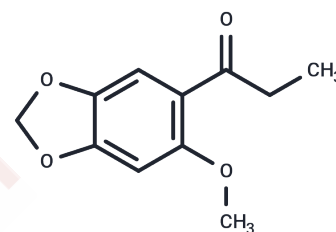
Chemical Properties

CAS No. : 70342-29-9

Formula: C₁₁H₁₂O₄

Molecular Weight: 208.21

Storage: Store at low temperature, Keep away from direct sunlight, Store under nitrogen
 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	Methyl Kakuol is an agonist of TRPA1 with an EC ₅₀ of 0.27 μ M and can be used in studies about acting as an active ingredient in MBST constituent Asiasari Radix.
Targets(IC ₅₀)	TRP/TRPV Channel

Solubility Information

Solubility	DMSO: Soluble (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.8028 mL	24.0142 mL	48.0284 mL
5 mM	0.9606 mL	4.8028 mL	9.6057 mL
10 mM	0.4803 mL	2.4014 mL	4.8028 mL
50 mM	0.0961 mL	0.4803 mL	0.9606 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

Takashi Matsumoto, et al. In Vivo Pharmacokinetic Analysis Utilizing Non-Targeted and Targeted Mass Spectrometry and In Vitro Assay against Transient Receptor Potential Channels of Maobushisaishinto and Its Constituent Asiasari Radix. Molecules. 2020 Sep 18;25(18):4283.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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