

## Product Data Sheet

Product Name: Methyl kakuol

Cat. No.: GF07623

### Chemical Properties

Cas. No. 70342-29-9

Formula C<sub>11</sub>H<sub>12</sub>O<sub>4</sub>

M.Wt 208.21

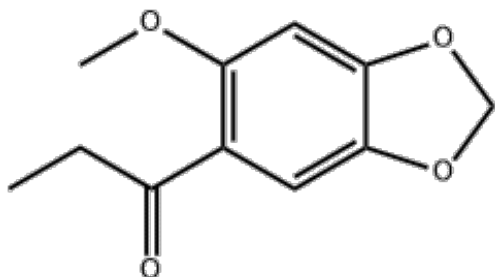
Solubility

Storage 2-8°C

**General tips** For obtaining a higher solubility, please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

**Shipping Condition** Evaluation sample solution : ship with blue ice All other available size: ship with RT, or blue ice upon request.

Structure



### Background

Methyl kakuol shows agonistic activity against TRPA1 with an EC<sub>50</sub> of 0.27 碌M.

The maximum concentration (C<sub>max</sub>) of Methyl kakuol at a dose of 2 g/kg (containing 1156 碌g/kg, 294 碌g/kg, 452 碌g/kg, 852 碌g/kg asarinin, sesamin, methyl kakuol, and amide A, respectively) is 98.2 ng/mL<sup>[1]</sup>.

[1]. 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

**Caution: Product has not been fully validated for medical applications. For research use only.**

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