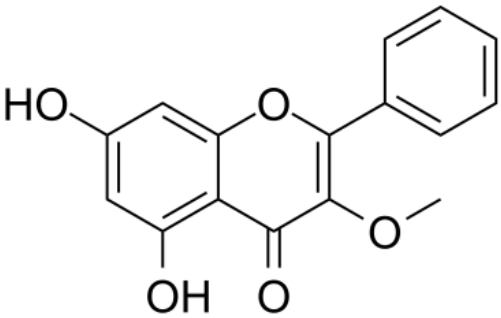
# Product Data Sheet

Product Name: 3-O-Methylgalangin
Cat. No.: GC35121

## Chemical Properties

| | | | |
|---|---|---|---|
| Cas. No. | 6665-74-3 | | |
| SMILES | O=C1C(OC)=C(C2=CC=CC=C2)OC3=CC(O)=CC(O)=C13 | | |
| Formula | $C_{16}H_{12}O_5$ | M.Wt | 284.26 |
| Solubility | DMSO : 12.5 mg/mL (43.97 mM; Need ultrasonic) | Storage | 4°C, protect from light |
| 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

3-O-Methylgalangin (Galangin 3-methyl ether) is a natural flavonoid compound from the rhizome of Alpinia officinarum (AO) with antibacterial activities, which also inhibits pancreatic lipase[1][2].

[1]. EcheverrÍa J, et al. Structure-Activity and Lipophilicity Relationships of Selected Antibacterial

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Natural Flavones and Flavanones of Chilean Flora. Molecules. 2017 Apr 10;22(4). pii: E608. [2]. Upadhye AS, et al. Development and validation of HPTLC fingerprints of three species of Alpinia with biomarker Galangin. BMC Complement Altern Med. 2018 Jan 16;18(1):16.

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