

## 8-(1,1-Dimethyl-2-propenyl)-3'-methoxykaempferol

### Chemical Properties

CAS No. : 1859979-00-2

Formula: C<sub>21</sub>H<sub>20</sub>O<sub>7</sub>

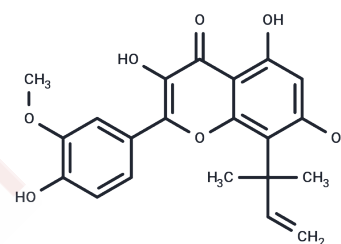
Molecular Weight: 384.38

Storage:

Keep away from direct sunlight, Keep away from moisture, Store at low temperature, Store under nitrogen

Store at -20°C

Actual storage temperature shall be subject to the COA.



### Biological Description

Description	8-(1,1-Dimethyl-2-propenyl)-3'-methoxykaempferol is an isoprenylated kaempferol derivative extracted from fresh pak choi buds with anticancer and antitumor activity. 8-(1,1-Dimethyl-2-propenyl)-3'-methoxykaempferol showed antiproliferative activity and cytotoxicity in human breast cancer (MCF-7) and human hepatocellular carcinoma (Hep-G2) cell lines.
Targets(IC50)	Others

### Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.6016 mL	13.008 mL	26.0159 mL
5 mM	0.5203 mL	2.6016 mL	5.2032 mL
10 mM	0.2602 mL	1.3008 mL	2.6016 mL
50 mM	0.052 mL	0.2602 mL	0.5203 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

Thai, et al. Phytochemical study and biological evaluation of chemical constituents of *Platanus orientalis* and *Platanus acerifolia* buds. *Phytochemistry* 130(2016):170-181.

Zuo, Bo, et al. Two novel prenylated kaempferol derivatives from fresh bud's fur of *Platanus acerifolia* and their anti-proliferative activities. *Natural Product Research* 30.22(2016):2523-2528.

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