

## Dimethylacrylalkannin

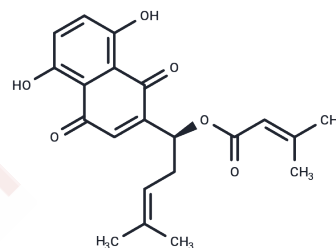
## Chemical Properties

CAS No. : 34539-65-6

Formula: C<sub>21</sub>H<sub>22</sub>O<sub>6</sub>

Molecular Weight: 370.4

Storage: Keep away from direct sunlight, Keep away from moisture, Store at low temperature  
 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	$\beta,\beta$ -Dimethylacrylalkannin is a natural product isolated from <i>Arnebia nobilis</i> Reichb.f, increases collagen and involucrin content in skin cells.
Targets(IC50)	Others, HIF/HIF Prolyl-Hydroxylase

## Solubility Information

Solubility	DMSO: 11.9 mg/mL (32.13 mM), Sonication is recommended. ( $< 1$ mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.6998 mL	13.4989 mL	26.9978 mL
5 mM	0.540 mL	2.6998 mL	5.3996 mL
10 mM	0.270 mL	1.3499 mL	2.6998 mL
50 mM	0.054 mL	0.270 mL	0.540 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

Anti-skin ageing activity of naphthoquinones from *Arnebia nobilis* Reichb.f.[J]. Natural Product Letters, 2016, 30(5): 574-577.

Chen J, Zhou X, Fu L, et al. Natural Product-Based Screening for Lead Compounds Targeting SARS CoV-2 Mpro[J]. Pharmaceuticals, 2023, 16(5): 767..Pharmaceuticals.2023, 16(5): 767.

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