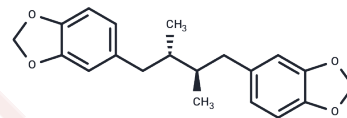


## Machilin A

## Chemical Properties

CAS No. : 110269-50-6  
 Formula: C<sub>20</sub>H<sub>22</sub>O<sub>4</sub>  
 Molecular Weight: 326.39  
 Storage: 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	Machilin A, a lignan derived from Phoebe bark's methanolic extract, suppresses melanogenesis in B-16 mouse melanoma cells, exhibiting an IC <sub>50</sub> value of 39.9 μM.
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.0638 mL	15.3191 mL	30.6382 mL
5 mM	0.6128 mL	3.0638 mL	6.1276 mL
10 mM	0.3064 mL	1.5319 mL	3.0638 mL
50 mM	0.0613 mL	0.3064 mL	0.6128 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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