

## (E)-6-O-p-Coumaroyl scandoside methyl ester

## Chemical Properties

CAS No. : 83946-90-1

Formula: C<sub>26</sub>H<sub>30</sub>O<sub>13</sub>

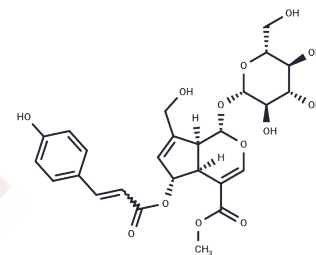
Molecular Weight: 550.51

Storage:

Keep away from moisture, Keep away from direct sunlight

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	(E)-6-O-p-Coumaroyl scandoside methyl ester is a natural product discovered in Oldenlandia diffusa suitable for biochemical experiments and drug synthesis research.
Targets(IC50)	Others
In vitro	Baihuasheshecao ( <i>Hedyotis diffusa</i> ), a Chinese herb for cancer treatment, is frequently adulterated by a related species <i>Hedyotis corymbosa</i> . Chemical analyses by TLC and HPLC were used to authenticate <i>H. diffusa</i> and <i>H. corymbosa</i> . Two marker compounds were identified exclusively in <i>H. diffusa</i> : (E)-6-O-p-Coumaroyl scandoside methyl ester and 10(S)-hydroxypheophytin a. Both compounds showed moderate anti-proliferation effect on PC3 human androgen-independent prostate cancer cells, while 10(S)-hydroxypheophytin a also showed strong anti-proliferation effect on LNCaP human androgen-sensitive prostate cancer cells. Accordingly, these bioactive marker compounds could be applied to verify the authenticity and assess the quality of Baihuasheshecao.[1]

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.8165 mL	9.0825 mL	18.165 mL
5 mM	0.3633 mL	1.8165 mL	3.633 mL
10 mM	0.1816 mL	0.9082 mL	1.8165 mL
50 mM	0.0363 mL	0.1816 mL	0.3633 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

Authentication of the anti-tumor herb Baihuasheshecao with bioactive marker compounds and molecular sequences. Food Chemistry, 2010, 119(3):1239-1245.

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