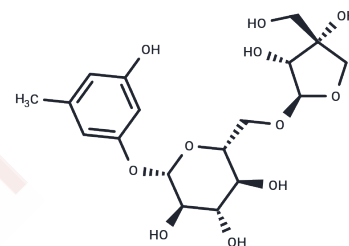


Orcinol 1-O-beta-D-apiofuranosyl-(1->6)-beta-D-glucopyranoside

Chemical Properties

CAS No. :	868557-54-4
Formula:	C ₁₈ H ₂₆ O ₁₁
Molecular Weight:	418.39
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	Orcinol 1-O-beta-D-apiofuranosyl-(1->6)-beta-D-glucopyranoside has antioxidative activity.
In vitro	METHODS AND RESULTS:A new orcinol glucoside, orcinol-1-O-beta-D-apiofuranosyl-(1->6)-beta-D-glucopyranoside (Orcinol 1-O-beta-D-apiofuranosyl-(1->6)-beta-D-glucopyranoside,3), was isolated from the rhizomes of Curculigo orchioides GAERTN., together with seven known compounds: orcinol glucoside (1), orcinol-1-O-beta-D-glucopyranosyl-(1->6)-beta-D-glucopyranoside (2), curculigoside (4), curculigoside B (5), curculigoside C (6), 2,6-dimethoxyl benzoic acid (7), and syringic acid (8). The structures of these compounds were elucidated using spectroscopic methods. The antioxidant activities of these isolated compounds were evaluated by colorimetric methods based on their scavenging effects on hydroxyl radicals and superoxide anion radicals, respectively. CONCLUSIONS: All the compounds showed potent antioxidative activities and the structure-activity relationship is discussed.

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.3901 mL	11.9506 mL	23.9011 mL
5 mM	0.478 mL	2.3901 mL	4.7802 mL
10 mM	0.239 mL	1.1951 mL	2.3901 mL
50 mM	0.0478 mL	0.239 mL	0.478 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

Antioxidative phenols and phenolic glycosides from *Curculigo orchioides*. *Chem Pharm Bull (Tokyo)*. 2005 Aug;53(8):1065-7.

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