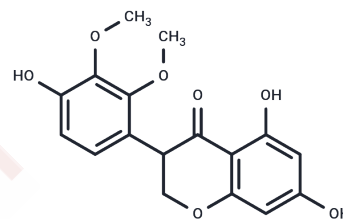


Parvisoflavanone

Chemical Properties

CAS No. :	49776-79-6
Formula:	C17H16O7
Molecular Weight:	332.3
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	Parvisoflavanone may have α -Glucosidase inhibitory activity.
In vitro	Three new isoflavanones (1-3) and thirteen known compounds (4-16) were isolated from the roots of <i>Mucuna pruriens</i> . METHODS AND RESULTS: The absolute configurations of isoflavanones 1-3 and Parvisoflavanone (4), lespedeol C (5), and uncinanone C (6) were addressed by a circular dichroism technique. Isoflavanones, isoflavones, and pterocarpanes of <i>M. pruriens</i> were found to be α -glucosidase inhibitors. Medicarpin (7) and parvisoflavone B (9) were potent α -glucosidase inhibitors (twofold less active than the standard drug acarbose). CONCLUSIONS: The production of bioactive metabolites in <i>M. pruriens</i> seems to be season-dependent.

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.0093 mL	15.0466 mL	30.0933 mL
5 mM	0.6019 mL	3.0093 mL	6.0187 mL
10 mM	0.3009 mL	1.5047 mL	3.0093 mL
50 mM	0.0602 mL	0.3009 mL	0.6019 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

α -Glucosidase inhibitory activities of isoflavanones, isoflavones, and pterocarpanes from *Mucuna pruriens*. *Planta Med.* 2014 May;80(7):604-8.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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