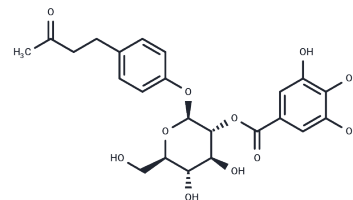


Isolindleyin

Chemical Properties

CAS No. :	87075-18-1
Formula:	C ₂₃ H ₂₆ O ₁₁
Molecular Weight:	478.45
Appearance:	no data available
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	Isolindleyin is a natural product
Targets(IC50)	Others
In vitro	In screening for PEP inhibitors from fourteen traditional Kampo formulas, we found that Tokaku-joki-to shows a significant inhibitory activity. Examination of the constituents of the Kampo formula resulted in the isolation of two new compounds, cis-3,5,4'-trihydroxystilbene 4'-O-beta-D-(6-O-galloyl)glucopyranoside (10) and 4-(4-hydroxyphenyl)-2-butanone 4'-O-beta-D-(6-O-galloyl-2-O-cinnamoyl)glucopyranoside (16), along with twenty-five known compounds, cinnamic acid (1), protocatechuic acid (2), gallic acid (3), torachrysone 8-O-beta-D-glucoside (4), emodin (5), emodin 8-O-beta-D-glucoside (6), 3,5,4'-trihydroxystilbene 4'-O-beta-D-glucopyranoside (7), 3,5,4'-trihydroxystilbene 4'-O-beta-D-(2-O-galloyl)glucopyranoside (8), 3,5,4'-trihydroxystilbene 4'-O-beta-D-(6-O-galloyl)glucopyranoside (9), 4-(4-hydroxyphenyl)-2-butanone 4'-O-beta-D-glucopyranoside (11), Isolindleyin (12), lindleyin (13), 4-(4-hydroxyphenyl)-2-butanone 4'-O-beta-D-(2,6-di-O-galloyl)glucopyranoside (14), 4-(4-hydroxyphenyl)-2-butanone 4'-O-beta-D-(2-O-galloyl-6-O-cinnamoyl)glucopyranoside (15), 1-O-galloylglucose (17), 1,2,6-tri-O-galloylglucose (18), gallic acid 4-O-beta-D-(6-O-galloyl)glucopyranoside (19), liquiritigenin (20), liquiritigenin 4'-O-beta-D-glucoside (21), liquiritigenin 7,4'-diglucoside (22), liquiritigenin 4'-O-beta-D-apiofuranosyl-(1-->2)-beta-D-glucopyranoside (23), licuroside (24), (-)-epicatechin (25), (-)-epicatechin 3-O-gallate (26) and (+)-catechin (27).

A DRUG SCREENING EXPERT

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.0901 mL	10.4504 mL	20.9008 mL
5 mM	0.418 mL	2.0901 mL	4.1802 mL
10 mM	0.209 mL	1.045 mL	2.0901 mL
50 mM	0.0418 mL	0.209 mL	0.418 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.

Reference

Prolyl endopeptidase inhibitory activity of fourteen Kampo formulas and inhibitory constituents of Tokaku-joki-to. Chem Pharm Bull (Tokyo). 2000 Jul;48(7):1055-61.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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