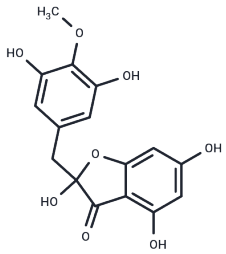
Data Sheet (Cat.No.TN3405)

TargetMol
YOUR TARGET MOLECULES

Amaronol B

Chemical Properties



CAS No. : 226561-02-0

Formula: C16H14O8

Molecular Weight: 334.28

Appearance: no data available

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Biological Description

Description	Amaronol B is a natural product found in Pseudolarix amabilis and Larix kaempferi with data available.
Targets(IC50)	Others
In vitro	METHODS AND RESULTS: Two new auronols, amaronol A (1) and Amaronol B (2), were isolated from the bark of Pseudolarix amabilis, along with pseudolaric acid B (3), pseudolaric acid C (4), demethoxydeacetoxy-pseudolaric acid B (5), pseudolaric acid B-beta-D-glucoside (6), pseudolaric acid A-beta-D-glucoside (7), and myricetin (8). The structures of amaronol A and Amaronol B were established by spectral data interpretation as 2,4,6-trihydroxy-2-[(3',4',5'-trihydroxyphenyl) methyl]-3(2H)-benzofuranone and 2,4,6-trihydroxy-2-[(3', 5'-dihydroxy-4'-methoxyphenyl) methyl]-3(2H)-benzofuranone, respectively. CONCLUSIONS: Antimicrobial testing results of the eight compounds indicated that only pseudolaric acid B was active against Candida albicans (MIC, 3.125 microg/mL; MFC, 6.25 microg/mL), while myricetin was marginally active against Trichophyton mentagrophytes (MIC, 50 microg/mL).

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.9915 mL	14.9575 mL	29.915 mL
5 mM	0.5983 mL	2.9915 mL	5.983 mL
10 mM	0.2992 mL	1.4958 mL	2.9915 mL
50 mM	0.0598 mL	0.2992 mL	0.5983 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.

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