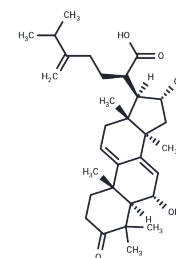


6alpha-Hydroxypolyporenic acid C

Chemical Properties

CAS No. :	24513-63-1
Formula:	C ₃₁ H ₄₆ O ₅
Molecular Weight:	498.69
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	6alpha-Hydroxypolyporenic acid C is a natural product from Wolfiporia cocos (Schw.) Ryv.
In vitro	To study the absorption of 3-epidehydrotumulosic acid (EDHTA), polyporenic acid C (PPAC) and 6alpha-Hydroxypolyporenic acid C (HPPA) isolated from the sclerotium of Poria cocos. In human intestinal epithelial. METHODS AND RESULTS:By using Caco-2 (the human colonic adenocarcinoma cell lines) cells monolayer as an intestinal epithelial cell model, the permeability of EDHTA, PPAC and 6alpha-Hydroxypolyporenic acid C were studied from apical side (AP side) to basolateral side (BL side) or from BL side to AP side.The P(app) values of EDHTA and PPAC were at a nearly same magnitude with those of propranolol, and 6alpha-Hydroxypolyporenic acid C lied between those of propranolol and atenolol. On the other hand, the efflux transport of EDHTA, PPAC and 6alpha-Hydroxypolyporenic acid C were higher 1.78, 1.91 and 2. 47 times more than its influx transport with 0.56, 0.52 and 0.41 rate of P(app A --> B)/P(app (B --> A)). CONCLUSIONS: EDHTA, PPAC and 6alpha-Hydroxypolyporenic acid C can be absorbed across intestinal epithelial cells, among EDHTA and PPAC will be completely. 6alpha-Hydroxypolyporenic acid C will be moderately absorbed compounds. EDHTA, PPAC and 6alpha-Hydroxypolyporenic acid C may have been involved in efflux mechanism in Caco-2 cells monolayers model from the basolateral-to-apical direction.

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.0053 mL	10.0263 mL	20.0525 mL
5 mM	0.4011 mL	2.0053 mL	4.0105 mL
10 mM	0.2005 mL	1.0026 mL	2.0053 mL
50 mM	0.0401 mL	0.2005 mL	0.4011 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

Absorption of triterpenoid compounds from Indian bread (*Poria cocos*) across human intestinal epithelial (Caco-2) cells in vitro. *Zhongguo Zhong Yao Za Zhi*. 2008 Jul;33(13):1596-601.

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