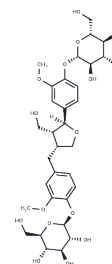


Clemastanin B

Chemical Properties

CAS No. :	112747-98-5
Formula:	C32H44O16
Molecular Weight:	684.68
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	Clemastanin B has antioxidant and anti-inflammatory activities, it exerts its anti-influenza activity by inhibiting the virus multiplication, prophylaxis and blocking the virus attachment.
Targets(IC50)	Influenza Virus
In vitro	The experiment consisted of four parts: therapeutic action, prophylaxis action, inhibition of virus attachment, and direct virucidal action. Cytopathic effect (CPE) and 3-(4,5-Dimethylthiazol-2-yl)-2,5-diphenyltetrazolium (MTT) were used to assess antiviral activity. CB, epigoitrin, PEP and PEP ALK OA fractions from Banlangen (Radix Isatidis) extract significantly increased the viability of MDCK cells pre-infected with the virus compared with the virus control group in all the dilutions (P < 0.01). Pretreated with either pure compounds or chemical fractions of Banlangen (Radix Isatidis) extract in all the dilutions significantly improved the viability of MDCK cells (P < 0.01). The inhibition of virus absorption to the host cells by CB, epigoitrin and PEP was in a dose dependent manner.

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.4605 mL	7.3027 mL	14.6054 mL
5 mM	0.2921 mL	1.4605 mL	2.9211 mL
10 mM	0.1461 mL	0.7303 mL	1.4605 mL
50 mM	0.0292 mL	0.1461 mL	0.2921 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

Antiviral activities against influenza virus (FM1) of bioactive fractions and representative compounds extracted from Banlangen (Radix Isatidis).J Tradit Chin Med. 2016 Jun;36(3):369-76.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only· Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481