Data Sheet (Cat.No.T40611)

TargetMol

(E)-Dehydrodiconiferyl alcohol

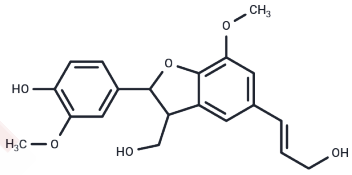
Chemical Properties

CAS No. : 528814-97-3

Formula: C20H22O6

Molecular Weight: 358.39

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	(E)-Dehydrodiconiferyl alcohol is a potent dual inhibitor of hCA IX and hCA XII, effectively impeding the catalytic activity of both carbonic anhydrase isoforms. Additionally, (E)-Dehydrodiconiferyl alcohol exerts inhibitory effects on the nuclear translocation of NF-κB in the connective tissue of the healing area.
Targets(IC50)	Others,Carbonic Anhydrase

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.7903 mL	13.9513 mL	27.9026 mL
5 mM	0.5581 mL	2.7903 mL	5.5805 mL
10 mM	0.279 mL	1.3951 mL	2.7903 mL
50 mM	0.0558 mL	0.279 mL	0.5581 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

Costa G, et al. In Silico Identification and Biological Evaluation of Antioxidant Food Components Endowed with IX and XII hCA Inhibition. Antioxidants (Basel). 2020;9(9):775. Published 2020 Aug 21.
Hu X, et al. Dehydrodiconiferyl alcohol from Silybum marianum (L.) Gaertn accelerates wound healing via inactivating NF-κB pathways in macrophages. J Pharm Pharmacol. 2020;72(2):305-317.

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