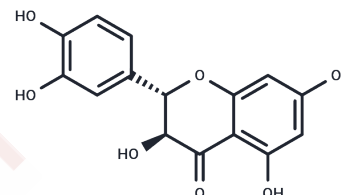


(-)-Taxifolin

Chemical Properties

CAS No. :	111003-33-9
Formula:	C ₁₅ H ₁₂ O ₇
Molecular Weight:	304.25
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	(-)-Taxifolin, the less active enantiomer of Taxifolin, demonstrates vital anti-tyrosinase activity and notable inhibition against collagenase [IC ₅₀ = 193.3 μM], and is valued as an essential natural compound with antifibrotic potential, acting as a capable free radical scavenger with antioxidant capacity.
Targets(IC ₅₀)	Others, Tyrosinase

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.2868 mL	16.4339 mL	32.8677 mL
5 mM	0.6574 mL	3.2868 mL	6.5735 mL
10 mM	0.3287 mL	1.6434 mL	3.2868 mL
50 mM	0.0657 mL	0.3287 mL	0.6574 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

- Angelis A, et al. Bio-Guided Isolation of Methanol-Soluble Metabolites of Common Spruce (*Picea abies*) Bark by-Products and Investigation of Their Dermo-Cosmetic Properties. *Molecules*. 2016 Nov 21;21(11):1586.
- Lei Ren, et al. Dissecting Efficacy and Metabolic Characteristic Mechanism of Taxifolin on Renal Fibrosis by Multivariate Approach and Ultra-Performance Liquid Chromatography Coupled With Mass Spectrometry-Based Metabolomics Strategy. *Front Pharmacol*. 2021 Jan 14;11:608511.

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