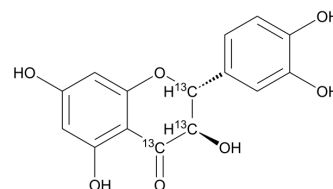


(±)-Taxifolin-¹³C₃

Cat. No.:	HY-N0136S1		
Molecular Formula:	C ₁₂ ¹³ C ₃ H ₁₂ O ₇		
Molecular Weight:	307.23		
Target:	Autophagy; Tyrosinase		
Pathway:	Autophagy; Metabolic Enzyme/Protease		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



BIOLOGICAL ACTIVITY

Description

(±)-Taxifolin-13C3 ((±)-Dihydroquercetin-13C3) is a derivative of (±)-Taxifolin, labeled with 13C3. (±)-Taxifolin is the racemate of Taxifolin. Taxifolin exhibits important anti-tyrosinase activity. Taxifolin exhibits significant inhibitory activity against collagenase with an IC₅₀ value of 193.3 μM^[1]. Taxifolin is an important natural compound with antifibrotic activity. Taxifolin is a free radical scavenger with antioxidant capacity^[2].

REFERENCES

[1]. 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.

[2]. 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*. 202

Caution: Product has not been fully validated for medical applications. For research use only.

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