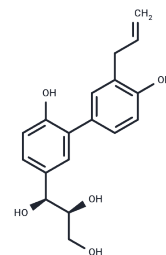


(1S,2S)-threo-Honokitriol

Chemical Properties

CAS No. :	1099687-80-5
Formula:	C ₁₈ H ₂₀ O ₅
Molecular Weight:	316.35
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	(1S,2S)-threo-Honokitriol is a natural product of Magnolia, Magnoliaceae. The catalog number is TN6655 and the CAS number is 1099687-80-5. (1S,2S)-threo-Honokitriol can be used as a reference standard.
In vitro	METHODS AND RESULTS: Three new compounds, magnolianone (1), erythro-honokitriol (2), and threo-honokitriol (3), together with 14 known compounds, magnaldehyde (4), magnatriol B (5), randaiol (6), obovatol (7), magnolignan B (8a and 8b), magnolol, honokiol (9), p-hydroxylbenzaldehyde, coniferaldehyde, coniferol alcohol, syringaldehyde, syringaresinol, and acteoside, were isolated from the MeOH-soluble part of a water extract of the stem bark of Magnolia officinalis. CONCLUSIONS: Among these compounds, 2-8b were studied for anti-inflammatory and antioxidative activities. Compound 7 displayed more potent antioxidative potential than 9. Compounds 4-7 effectively inhibited LPS-induced NO production, whereas 5 and 6 were more potent than 9.

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.1611 mL	15.8053 mL	31.6106 mL
5 mM	0.6322 mL	3.1611 mL	6.3221 mL
10 mM	0.3161 mL	1.5805 mL	3.1611 mL
50 mM	0.0632 mL	0.3161 mL	0.6322 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

Phenolic Constituents from the Stem Bark of Magnolia officinalis. Journal of Natural Products, 2009, 72(1):168-171.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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