

(3S,8R,9R)-Isotalcarintriol

Chemical Properties

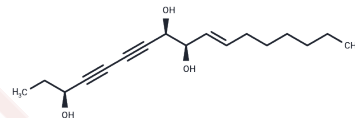
CAS No. : 2962060-53-1

Formula: C₁₇H₂₆O₃

Molecular Weight: 278.39

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

(3S,8R,9R)-Isotalcarintriol, a natural polyacetylene compound present in carrot roots, acts as a potent longevity promoter. It improves glucose metabolism and exhibits antitumor activity by influencing cellular respiration and interacting with the α -subunit of mitochondrial ATP synthase, which promotes mitochondrial biosynthesis. Furthermore, (3S,8R,9R)-Isotalcarintriol is utilized in research related to neurodegenerative diseases, metabolic disorders, and aging.¹

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.5921 mL	17.9604 mL	35.9208 mL
5 mM	0.7184 mL	3.5921 mL	7.1842 mL
10 mM	0.3592 mL	1.796 mL	3.5921 mL
50 mM	0.0718 mL	0.3592 mL	0.7184 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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Tel: 781-999-4286

E_mail: info@targetmol.com

Address: 34 Washington Street, Wellesley Hills, MA 02481