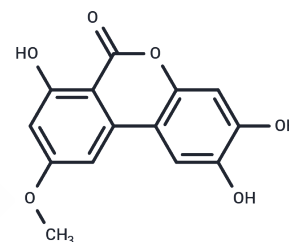


Altenuisol

Chemical Properties

CAS No. :	1188382-26-4
Formula:	C ₁₄ H ₁₀ O ₆
Molecular Weight:	274.226
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	Altenuisol is a compound found in the pathogen fungus <i>Alternaria</i> from <i>Xanthium italicum</i> , known for its herbicidal activity. At low concentrations (10µg/mL), Altenuisol promotes root growth of <i>Pennisetum alopecuroides</i> and <i>Medicago sativa</i> by 75.2% and 51.0%, respectively. At higher concentrations (1000µg/mL), it inhibits root growth of <i>Pennisetum alopecuroides</i> and <i>Medicago sativa</i> by 52.0% and 42.0%. Additionally, Altenuisol exhibits cytotoxicity against HeLa cells and shows antibacterial and antioxidant activities. Altenuisol holds promise for research in agricultural herbicides, antitumor, and anti-infection fields.
Targets(IC50)	Antibacterial

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.6466 mL	18.2329 mL	36.4657 mL
5 mM	0.7293 mL	3.6466 mL	7.2931 mL
10 mM	0.3647 mL	1.8233 mL	3.6466 mL
50 mM	0.0729 mL	0.3647 mL	0.7293 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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