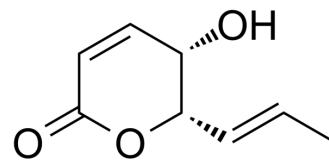


Phomalactone

Cat. No.:	HY-N10269
CAS No.:	28921-94-0
Molecular Formula:	C ₈ H ₁₀ O ₃
Molecular Weight:	154.16
Target:	Fungal; Endogenous Metabolite
Pathway:	Anti-infection; Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

Phomalactone, produced by the fungus *Nigrospora sphaerica*, specifically inhibits the mycelial growth of *Phytophthora infestans*, with an MIC value of 2.5 mg/L^[1]. Phomalactone is phytotoxic to *Z. elegans* and other plant species by inhibition of seedling growth and by causing electrolyte leakage from photosynthetic tissues of both *Z. elegans* leaves and cucumber cotyledons^[2].

REFERENCES

- [1]. Kim JC, et al. Activity against plant pathogenic fungi of phomalactone isolated from *Nigrospora sphaerica*. *Pest Manag Sci.* 2001;57(6):554-559.
- [2]. Meepagala KM, et al. Phomalactone from a Phytopathogenic Fungus Infecting *ZINNA elegans* (ASTERACEAE) Leaves. *J Chem Ecol.* 2015;41(7):602-612.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA