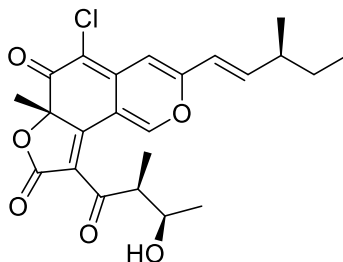


Chaetoviridin A

Code No.: **BIA-C1907**

Pack sizes: **0.5 mg, 2.5 mg**



Synonyms : 5'-Hydroxychaetoviridine F

Specifications

CAS #	: 128252-98-2
Molecular Formula	: C ₂₃ H ₂₅ ClO ₆
Molecular Weight	: 432.9
Source	: <i>Chaetomium</i> sp.
Appearance	: Yellow to orange powder
Purity	: >95% by HPLC
Long Term Storage	: -20°C
Solubility	: Soluble in DMSO, methanol, chloroform or acetone

Application Notes

Chaetoviridin A, an azaphilone isolated from *Chaetomium* sp., is a potent antifungal against plant pathogenic fungi in vitro and in vivo, suppressing the development of rice blast and wheat leaf rust by over 80% at a concentration of 62.5 mcg/mL. Chaetoviridin A has antitumor properties and inhibits tumor promotion induced by 12-O-tetradecanoylphorbol-13-acetate via an anti-inflammatory effect. Chaetoviridin A has moderate inhibitory activity against cholesteryl ester transfer protein (CETP).

References

1. Antifungal activity against plant pathogenic fungi of chaetoviridins isolated from *Chaetomium globosum*. Park J-H. et al. J Antibiot. 1999, 52, 160.
2. Cytotoxic nitrogenated azaphilones from the deep-sea-derived fungus *Chaetomium globosum* MP4-S01-7. Wang W. et al. J Nat Prod. 2020, 83, 1157.
3. Azaphilones inhibit tumor promotion by 12-O-tetradecanoylphorbol-13-acetate in two-stage carcinogenesis in mice. Yasukawa K. et al. Oncology 1994, 51, 108.
4. Structure-specific inhibition of cholesteryl ester transfer protein by azaphilones. Tomoda H. et al. J Antibiot. 1999, 52, 160.