

Product Data Sheet

Product Name: Chaetoviridin A

Cat. No.: GC47075

Chemical Properties

Cas. No. 128252-98-2

SMILES O=C1O[C@]2(C)C(C(Cl)=C3C=C(/C=C/[C@@H](C)CC)OC=C3C2=C1C([C@H](C)[C@H](O)C)=O)=O

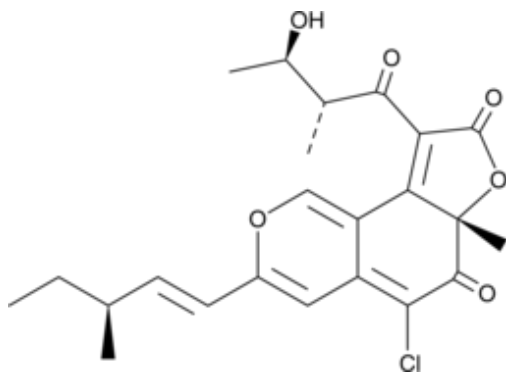
Formula C₂₃H₂₅ClO₆ M.Wt 432.9

Solubility Acetone: soluble, Chloroform: soluble, DMSO: soluble, Methanol: soluble
Storage Store at -20°C

General tips For obtaining a higher solubility, please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution: ship with blue ice. All other available size: ship with RT, or blue ice upon request.

Structure



Background

Chaetoviridin A is a fungal metabolite that has been found in *Chaetomium*.¹ Plant pathogenic, antitumor, and cholesteryl ester transfer protein (CETP) inhibitory activity attributed to chaetoviridin A

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

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was determined prior to its structural reassignment by total synthesis, NMR, and circular dichroism analysis.^{1,2,3,4}

1.Makrerougras, M., Coffinier, R., Oger, S., et al.Total synthesis and structural revision of chaetoviridins AOrg. Lett.19(15)4146-4149(2017) 2.Park, J.-H., Choi, G.J., Jang, K.S., et al.Antifungal activity against plant pathogenic fungi of chaetoviridins isolated from Chaetomium globosumFEMS Microbiol. Lett.252(2)309-313(2005) 3.Yasukawa, K., Takahashi, M., Natori, S., et al.Azaphilones inhibit tumor promotion by 12-O-tetradecanoylphorbol-13-acetate in two-stage carcinogenesis in miceOncology51(1)108-112(1994) 4.Tomoda, H., Matsushima, C., Tabata, N., et al.Structure-specific inhibition of cholesteryl ester transfer protein by azaphilonesJ. Antibiot. (Tokyo)52(2)160-170(1999)

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