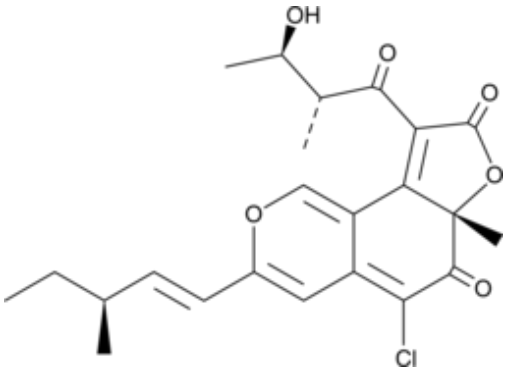
Product Data Sheet

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

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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)

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