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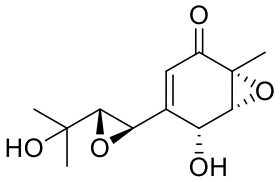
PRODUCT DATA SHEET

Acremin I

Code No.: **BIA-A2557**

Pack sizes: **0.25 mg, 1 mg**



Synonyms : Acremine I

Specifications

CAS #	:	**1110661-29-4**
Molecular Formula	:	**$C_{12}H_{16}O_5$**
Molecular Weight	:	**240.25**
Source	:	**Unidentified fungus**
Appearance	:	**Brown residue**
Purity	:	**>95% by HPLC**
Long Term Storage	:	**-20°C**
Solubility	:	**Soluble in methanol or DMSO**

Application Notes

Acremin I is a secondary metabolite produced by endophytic Acremonium species and other fungi. Members of the family are reported to have antibacterial and phytotoxic activity, with acremins A – D inhibiting the germination of sporangia of P. viticola. The total synthesis of acremin I has been reported.

References

1. Acremines A-F, novel secondary metabolites produced by a strain of an endophytic Acremonium, isolated from sporangiophores of Plasmopara viticola in grapevine leaves. Assante G. et al. Tetrahedron 2005, 61, 7686.
2. Secondary Metabolites of the Sponge-Derived Fungus Acremonium persicinum. Fraser J.A. et al. J. nat. Prod. 2013, 76, 1432.
3. Total syntheses of the fungal metabolites (±)-acremines A, B and I. Mehta G. et al. Tet. Lett. 2010, 51, 5112.

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