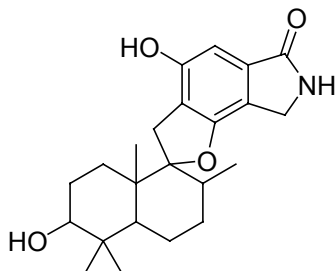


Stachybotrylactam

Code: **BIA-S1085**

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



Synonyms : **2-deoxy Antibiotic F1839A**

Specifications

CAS # : **163391-76-2**
Molecular Formula : **C₂₃H₃₁NO₄**
Molecular Weight : **385.5**
Source : ***Stachybotrys* sp. MST-FP1752**
Appearance : **Light tan lyophilisate**
Purity : **>95% by HPLC**
Long Term Storage : **+4°C**
Solubility : **Soluble in ethanol, methanol, DMF or DMSO.**

Application Notes

Isolated from a *Stachybotrys* sp., this unusual spirodihydrobenzofuran lactam mycotoxin shows immuno-suppressant and weak HIV protease activity. Members of this structural class show diverse activity including endothelin and pancreatic cholesterase inhibition and antiviral activity

References

1. Total synthesis and structure revision of *Stachybotrys* spirolactams. Deng W.P. et al. *J. Org. Chem.* **2003**, 68, 7422.
2. Novel spirodihydrobenzofuran lactams as antagonists of endothelin and as inhibitors of HIV-1 protease produced by *Stachybotrys* sp. I. Fermentation, isolation and biological activity. Roggo B.E. et al. *J. Antibiot.* **1996**, 49, 13.
3. *Stachybotrys* toxins I. Jarvis B.B. et al. *Nat. Toxins* **1995**, 3, 10.