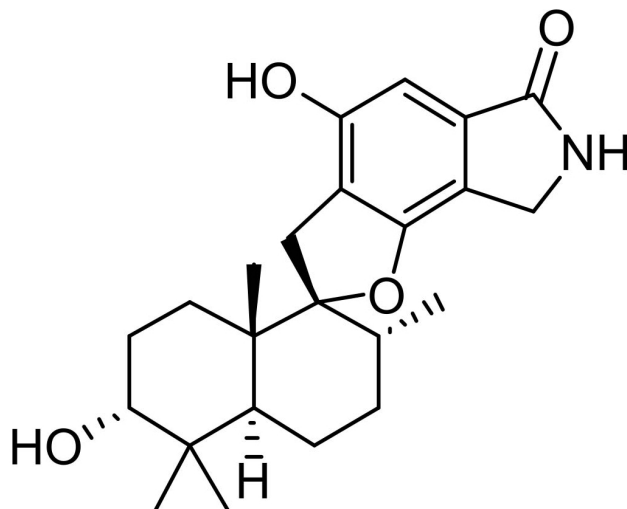


Stachybotrylactam

Code No.: BIA-S1085

Pack sizes.: 0.5mg, 2.5mg



Synonyms:
2-deoxy F1839A

Specifications

CAS #	: 163391-76-2
Molecular Formula	: C23H31NO4
Molecular Weight	: 385.5
Source	: -
Appearance	: Light Tan Lyophilisate
Purity	: >95% by HPLC
Long Term Storage	: -20°C
Solubility	: Soluble in ethanol, methanol, DMF or DMSO. Poor water solubility.

Application Notes

Stachybotrylactam is an unusual spirodihydrobenzofuranlactam mycotoxin isolated from a *Stachybotrys* sp. that has immunosuppressant and weak HIV protease activity. Members of this structural class show diverse activity including antiviral, endothelin and pancreatic cholesterase inhibition.

References

1. Total synthesis and structure revision of *Stachybotrys* spirodihydrobenzofuranlactams. Deng W.P. et al., *J. Org. Chem.* 2003, 68, 7422.
2. Novel spirodihydrobenzofuranlactams 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.