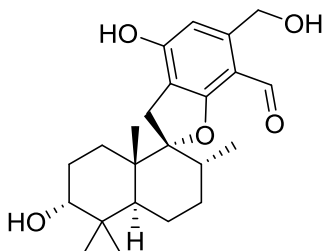


## Mer-NF5003E

Code No.: **BIA-M1846**

Pack sizes: **1 mg, 5 mg**



Synonyms : NF 5003E, L 671776

## Specifications

CAS #	: 159121-98-9
Molecular Formula	: C <sub>23</sub> H <sub>32</sub> O <sub>5</sub>
Molecular Weight	: 388.5
Source	: <i>Stachybotrys</i> sp.
Appearance	: White to off-white solid
Purity	: >95% by HPLC
Long Term Storage	: -20°C
Solubility	: Soluble in ethanol, methanol, DMF or DMSO.

## Application Notes

Mer-NF5003E is a sesquiterpenoid mycotoxin isolated from *Stachybotrys* strains, first published in 1994 as an avian myeloblastosis virus (AMV) protease inhibitor. Mer-NF5003E is inactive against HIV due to host cell toxicity. An analogue, Mer-NF5003B has been isolated from fungal biomass and dust samples collected in a domestic facility and may be a useful biomarker to assess exposure to potentially harmful *S. chartarum* contamination.

## References

1. Mer-NF5003B, E and F, novel sesquiterpenoids as avian myeloblastosis virus protease inhibitors produced by *Stachybotrys* sp.. Kaneta R. et al., J. Antibiot. 1994, 47,727.
2. *Stachybotrys* mycotoxins: from culture extracts to dust samples. Dosen I. et al., Anal. Bioanal. Chem. 2016, 408, 5513.