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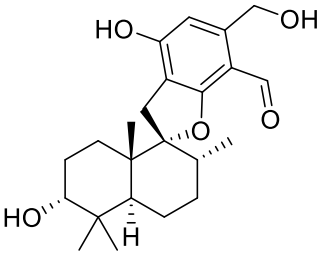
PRODUCT DATA SHEET

Mer-NF5003E

Code No.: **BIA-M1846**

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



Synonyms : NF 5003E, L 671776

Specifications

CAS #	:	**159121-98-9**
Molecular Formula	:	**$C_{23}H_{32}O_5$**
Molecular Weight	:	**388.5**
Source	:	***Stachybotrys* sp.**
Appearance	:	**White to off-white solid**
Purity	:	**>95% by HPLC**
Long Term Storage	:	**-20°C**
Solubility	:	**Soluble in methanol, 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.

For in vitro laboratory use only. Not for human or animal use.

Updated: 14 November 2025

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