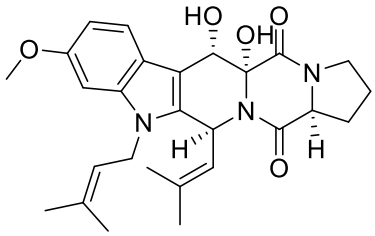
bioaustralis
fine chemicals

PRODUCT DATA SHEET

Fumitremorgin B

Code No.: **BIA-F2535**

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



Synonyms : Lanosulin, NA 209B

Specifications

CAS #	:	**12626-17-4**
Molecular Formula	:	**$C_{27}H_{33}N_3O_5$**
Molecular Weight	:	**479.6**
Source	:	***Aspergillus* sp.**
Appearance	:	**Yellow solid**
Purity	:	**>95% by HPLC**
Long Term Storage	:	**-20°C**
Solubility	:	**Soluble in methanol or DMSO.**

Application Notes

Fumitremorgin B is a tremorgenic mycotoxin isolated from Aspergillus fumigatus. Fumitremorgin B is active against a range of phytopathogenic fungi including Botrytis cinerea, Alternaria solani and alternata at 6.25 µg/mL. Fumitremorgen B has potent insect antifeedant activity against armyworm larvae. Fumitremogin B is cytotoxic when tested against brine shrimp (LC50 13.6 µg/mL).

References

1. Molecular structure of the metabolite lanosulin. Dix D.T. et al. J Chem Soc Chem Commun. 1972, 1168.
2. The structure of fumitremorgin B, a tremorgenic toxin from Aspergillus fumigatus Fres. Yamazaki M. et al. J Chem Soc Chem Commun. 1974, 408.
3. Metabolites from Aspergillus fumigatus, an endophytic fungus associated with Melia azedarach, and their antifungal, antifeedant, and toxic activities. Li X-J. J Ag Food Chem. 2012, 60, 3424.

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

Updated: 14 November 2025

© Copyright BioAustralis 2025

Building C, 28-54 Percival Road, Smithfield, NSW 2164, AUSTRALIA

Tel: 61 2 9757 4515 Fax: 61 2 9757 2586 Web: www.bioaustralis.com Email: info@bioaustralis.com