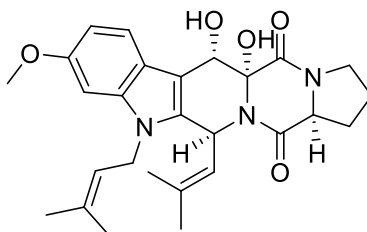


Fumitremogin B

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 ₃ O ₅
Molecular Weight	: 479.57
Source	: <i>Aspergillus sp.</i>
Appearance	: Yellow solid
Purity	: >95% by HPLC
Long Term Storage	: -20°C
Solubility	: Soluble in methanol or DMSO

Application Notes

Fumitremogin B is a tremorgenic mycotoxin isolated from *Aspergillus fumigatus*. Fumitremogin B is active against a range of phytopathogenic fungi including *Botrytis cinerea*, *Alternaria solani* and *alternata* at 6.25 µg/mL. Fumitremogin 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 fumitremogin 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.