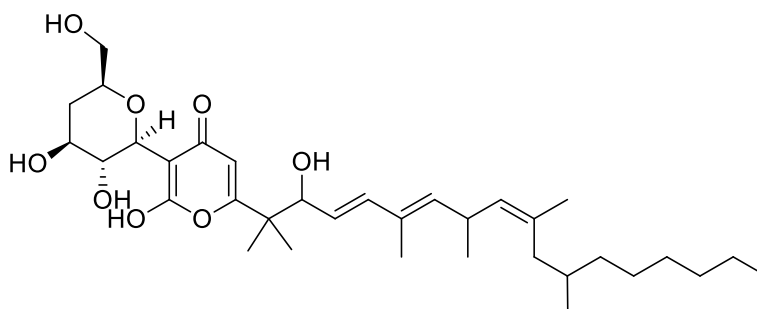


Deoxyfusapyrone

Code No.: **BIA-F1437**

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



Synonyms :

Specifications

CAS #	: 156856-32-5
Molecular Formula	: C ₃₄ H ₅₄ O ₈
Molecular Weight	: 590.8
Source	: <i>Fusarium</i> sp.
Appearance	: White to pale lemon solid
Purity	: >95% by HPLC
Long Term Storage	: -20°C
Solubility	: Soluble in ethanol, methanol, DMF or DMSO. Poor water solubility.

Application Notes

Deoxyfusapyrone is a broad spectrum antifungal metabolite isolated from several *Fusarium* species, first reported in 1994. Deoxyfusapyrone exhibits low zoo-toxicity as evidenced by a lack of toxicity against *Artemia salina* and is a useful candidate for control of postharvest crop diseases. Like the related fusapyrone, its mechanism of action is unknown and its structure was revised in 2006.

References

1. Fusapyrone and deoxyfusapyrone, two antifungal alpha-pyrone from *Fusarium semitectum*. Evidente A. et al., *Nat Toxins* 1994, 2, 4.
2. Structure-activity relationships of derivatives of fusapyrone, an antifungal metabolite of *Fusarium semitectum*. Altomare C. J. *Agric. Food Chem.* 2004, 52, 2997.
3. Isolation and structure elucidation of neofusapyrone from a marine-derived *Fusarium* species, and structural revision of fusapyrone and deoxyfusapyrone. Hiramatsu F. et al., *J. Antibiot.* 2006, 59, 704.