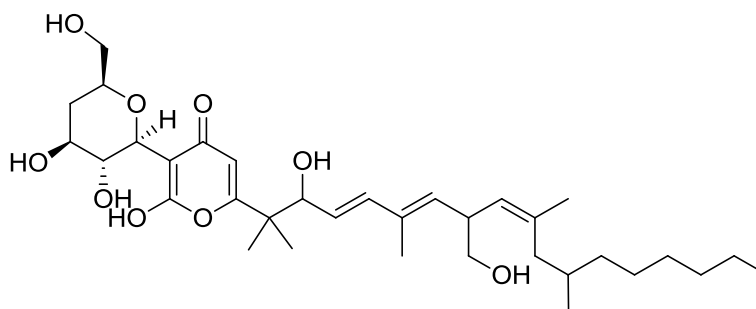


Fusapyrone

Code No.: **BIA-F1436**

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



Synonyms :

Specifications

CAS #	: 156856-31-4
Molecular Formula	: C₃₄H₅₄O₉
Molecular Weight	: 606.8
Source	: <i>Fusarium</i> sp.
Appearance	: White to off white solid
Purity	: >98% by HPLC
Long Term Storage	: -20°C
Solubility	: Soluble in ethanol, methanol, DMF or DMSO. Poor water solubility.

Application Notes

Fusapyrone is a broad spectrum antifungal metabolite isolated from several *Fusarium* species, first reported in 1994. Fusapyrone 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. The mechanism of action of fusapyrone is unknown. The structure of fusapyrone was revised in 2006.

References

1. Fusapyrone and deoxyfusapyrone, two antifungal alpha-pyrones 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.

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