

Product Name:	Fusapyrone
Product Number:	F032
CAS Number:	156856-31-4
Molecular Formula:	C ₃₄ H ₅₄ O ₉
Molecular Weight:	606.8
Appearance:	White to off white solid
Storage Conditions:	-20°C
Description:	<p>Fusapyrone is a broad spectrum antifungal metabolite isolated from several <i>Fusarium</i> species, first reported in 1994. Fusapyrone exhibits low zoo-toxicity as evidenced by a lack of toxicity against <i>Artemia salina</i>, and is a useful candidate for control of postharvest crop diseases. The structure of fusapyrone was revised in 2006.</p> <p>Fusapyrone is soluble in ethanol, methanol, DMF or DMSO. Poor water solubility.</p>
Mechanism of Action:	The mechanism of action of fusapyrone is unknown.
References:	<p>Fusapyrone and deoxyfusapyrone, two antifungal alpha-pyrones from <i>Fusarium semitectum</i>. Evidente A. et al. Nat. Toxins 1994, 2, 4.</p> <p>Structure-activity relationships of derivatives of fusapyrone, an antifungal metabolite of <i>Fusarium semitectum</i>. Altomare C. J. Agric. Food Chem. 2004, 52, 2997.</p> <p>Isolation and structure elucidation of neofusapyrone from a marine-derived <i>Fusarium</i> species, and structural revision of fusapyrone and deoxyfusapyrone. Hiramatsu F. et al. J. Antibiot. 2006, 59, 704.</p>