



# Deoxyfusapyrone PRODUCT DATA SHEET

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<b>Product Name:</b>	Deoxyfusapyrone
<b>Product Number:</b>	D044
<b>CAS Number:</b>	156856-32-5
<b>Molecular Formula:</b>	$C_{34}H_{54}O_8$
<b>Molecular Weight:</b>	590.8
<b>Appearance:</b>	White to pale lemon solid
<b>Storage Conditions:</b>	-20°C
<b>Description:</b>	<p>Deoxyfusapyrone is a broad spectrum antifungal metabolite isolated from several <i>Fusarium</i> species, first reported in 1994. Deoxyfusapyrone 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. Like the related fusapyrone, its mechanism of action is unknown and its structure was revised in 2006.</p> <p>Deoxyfusapyrone is soluble in ethanol, methanol, DMF and DMSO.</p>
<b>References:</b>	<p>Fusapyrone and deoxyfusapyrone, two antifungal alpha-pyrone from <i>Fusarium semitectum</i>. Evidente A. et al. <i>Nat Toxins</i> 1994, 2, 4.</p> <p>Structure-activity relationships of derivatives of fusapyrone, an antifungal metabolite of <i>Fusarium semitectum</i>. Altomare C. <i>J. Agric. Food Chem.</i> 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. <i>J. Antibiot.</i> 2006, 59, 704.</p>

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