

Product Name:	Penitrem A
Product Number:	P075
CAS Number:	12627-35-9
Molecular Formula:	$C_{37}H_{44}ClNO_6$
Molecular Weight:	634.2
Appearance:	White solid
Storage Conditions:	-20°C
Description:	<p>Penitrem A is a tremorgenic mycotoxin isolated from <i>Penicillium</i> species.</p> <p>Penitrem A is soluble in ethanol, methanol, DMF or DMSO. Poor water solubility.</p>
Mechanism of Action:	Penitrem A is a selective blocker of high-conductance Ca^{2+} -activated potassium channels.
References:	<p>Tremorgenic toxin from <i>Penicillium cyclopium</i> grown on food materials. Wilson B. J. 1968, 220, 77.</p> <p>Tremorgenic indole alkaloids potently inhibit smooth muscle high-conductance calcium-activated potassium channels Knaus H. G. et al. Biochemistry 1994, 33, 5819.</p>