

<b>Product Name:</b>	Marcfortine A
<b>Product Number:</b>	M048
<b>CAS Number:</b>	75731-43-0
<b>Molecular Formula:</b>	$C_{28}H_{35}N_3O_4$
<b>Molecular Weight:</b>	477.6
<b>Appearance:</b>	White solid
<b>Storage Conditions:</b>	-20°C
<b>Description:</b>	<p>Marcfortine A is an indole alkaloid, isolated from <i>Aspergillus</i> and <i>Penicillium</i> species, with potent nematocidal activity. The marcfortines are structurally related to paraherquamides.</p> <p>Marcfortine A is soluble in ethanol, methanol, DMF or DMSO. Poor water solubility.</p>
<b>Mechanism of Action:</b>	The marcfortines are thought to act by blocking cholinergic neuromuscular transmission.
<b>References:</b>	<p>Further novel metabolites of the paraherquamide family. Blanchflower S.E. et al. <i>J. Antibiot.</i> 1993, 46, 1355.</p> <p>Anthelmintic paraherquamides are cholinergic antagonists in gastrointestinal nematodes and mammals. Zinser E.W. et al. <i>J. Vet. Pharmacol. Ther.</i> 2002, 25, 241.</p> <p><i>Aspergillins A-E</i>: five novel depsipeptides from the marine-derived fungus <i>Aspergillus carneus</i>. Capon R.J. et al. <i>Org. Biomol. Chem.</i> 2003, 1, 1856.</p>