



Paraherquamide E PRODUCT DATA SHEET

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Product Name:	Paraherquamide E
Product Number:	P070
CAS Number:	125600-53-5
Molecular Formula:	$C_{28}H_{35}N_3O_4$
Molecular Weight:	477.6
Appearance:	White solid
Storage Conditions:	-20°C
Description:	<p>Paraherquamide E is a member of the paraherquamide family which causes a potent non-toxic paralysis of nematodes and has led to investigation as potential anthelmintics. Although paraherquamide A has received more attention, paraherquamide E is the more potent anthelmintic in vivo. Paraherquamide E was found to be the most potent of a series of paraherquamide analogues tested for insecticidal activity against a hemipteran, with an LD50 of 0.089 µg/nymph.</p>
References:	<p>Insecticidal activity of paraherquamides, including paraherquamide H and paraherquamide I, two new alkaloids isolated from <i>Penicillium cluniae</i>. Lopez-Gresa M.P. et al. <i>J. Agric. Food Chem.</i> 2006, 54, 2921.</p> <p>Paraherquamide and 2-deoxy-paraherquamide distinguish cholinergic receptor subtypes in <i>Ascaris</i> muscle. Robertson A.P. et al. <i>J. Pharmacol. Exp. Ther.</i> 2002, 302, 853. et al. <i>J. Antibiot.</i> 1991, 44, 492.</p> <p>New paraherquamide antibiotics with anthelmintic activity. Blanchflower S.E. Novel antinematodal and antiparasitic agents from <i>Penicillium charlesii</i>. I. Fermentation, isolation and biological activity. Ondeyka J.G. <i>J. Antibiot.</i> 1990, 43, 1380.</p> <p>Novel antinematodal and antiparasitic agents from <i>Penicillium charlesii</i>. I. Fermentation, isolation and biological activity. Ondeyka J.G. <i>J. Antibiot.</i> 1990, 43, 1380.</p>

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