

<b>Product Name:</b>	Ivermectin
<b>Product Number:</b>	I008
<b>CAS Number:</b>	70288-86-7
<b>Molecular Formula:</b>	$C_{48}H_{74}O_{14}$
<b>Molecular Weight:</b>	875.10
<b>Form:</b>	Powder
<b>Appearance:</b>	White or yellowish-white Crystalline powder
<b>Solubility:</b>	Insoluble
<b>Source:</b>	Semi-synthetic
<b>Water Content (Karl Fischer):</b>	$\leq 1.0\%$
<b>Melting Point:</b>	155 °C
<b>Optical Rotation:</b>	-17° to -20°
<b>Storage Conditions:</b>	2-8°C
<b>Description:</b>	<p>Ivermectin is an insoluble broad spectrum anti-parasitic drug.</p> <p>This product is considered a dangerous good. Quantities above 1 g may be subject to additional shipping fees. Please contact us for specific questions.</p>
<b>Mechanism of Action:</b>	<p>The mechanism of action is not well described but some speculate ivermectin targets nematode neurotransmitters leading to paralysis and death.</p> <p>Alternatively, ivermectin has shown to reduce secretion of parasitic proteins which help the parasite evade the host immune system and as a result, the immune system is thought to be responsible for eliminating the parasite.</p>
<b>References:</b>	<p>Crump, Andy, and Et Al. "Ivermectin, 'Wonder Drug' from Japan: The Human Use Perspective." <i>Proceedings of the Japan Academy, Series B Physical and Biological Sciences</i> 87.2 (2011): 13-28. <a href="http://www.ncbi.gov">www.ncbi.gov</a>. 10 Feb. 2011. Web. 31 Aug. 2012.</p>