

<b>Product Name:</b>	Filipin
<b>Product Number:</b>	F020
<b>CAS Number:</b>	11078-21-0
<b>Molecular Formula:</b>	C <sub>35</sub> H <sub>58</sub> O <sub>11</sub> (for Filipin III)
<b>Molecular Weight:</b>	654.8
<b>Appearance:</b>	Yellow solid
<b>Storage Conditions:</b>	-20°C
<b>Description:</b>	<p>Filipin complex comprises a family of pentaene macrocyclic lactones first isolated from <i>Streptomyces filipinensis</i> and reported by researchers at Upjohn in 1955. Filipin complex consists of four analogues, with filipin III comprising the bulk (&gt;70%) of the complex. Filipin complex is a potent broad spectrum antifungal agent that also exhibits antitumor and antiviral activities. Filipin complex acts by binding cell membrane sterols, disrupting membrane integrity.</p> <p>Filipin complex is soluble in ethanol, methanol, DMF or DMSO.</p>
<b>References:</b>	<p>Filipin, an antifungal antibiotic: Isolation and properties. Whitfield G.B. et al. J. Am. Chem. Soc. 1955, 77, 4799.</p> <p>Separation of polyene antifungal antibiotics by high speed liquid chromatography. Mechlinski W. &amp; Schaffner C.P. J. Chromatogr. 1974, 99, 619.</p> <p>Inhibition of fungi by filipin and its antagonism by sterols. Gottlieb D. et al. Phytopathology 1960, 50, 594.</p>