

<b>Product Name:</b>	PC-766B
<b>Product Number:</b>	P073
<b>CAS Number:</b>	108375-77-5
<b>Molecular Formula:</b>	C <sub>43</sub> H <sub>68</sub> O <sub>12</sub>
<b>Molecular Weight:</b>	777.0
<b>Appearance:</b>	Light orange solid
<b>Storage Conditions:</b>	-20°C
<b>Description:</b>	<p>PC-766B is a 16-membered macrolide antibiotic produced by <i>Nocardia brasiliensis</i>, reported by researchers at Sumitomo in 1993. Structurally, PC-766B is a member of bafilomycin class, featuring a rare butadiene side-chain. PC-766B is active against Gram positive bacteria, and some fungi and yeasts, but is inactive against Gram negative bacteria. It shows activity against murine tumor cells in vitro and in vivo, and weak inhibitory activity against Na/K-ATPase in vitro.</p> <p>PC-766B is soluble in ethanol, methanol, DMF or DMSO.</p>
<b>References:</b>	<p>PC-766B, a new macrolide antibiotic produced by <i>Nocardia brasiliensis</i>. II. Isolation, physico-chemical properties and structure elucidation. Kumagai K. et al. J. Antibiot. 1993, 46, 1139.</p> <p>PC-766B, a new macrolide antibiotic produced by <i>Nocardia brasiliensis</i>. I. Taxonomy, fermentation and biological activity. Kumagai K. et al. J. Antibiot. 1993, 46, 972.</p>