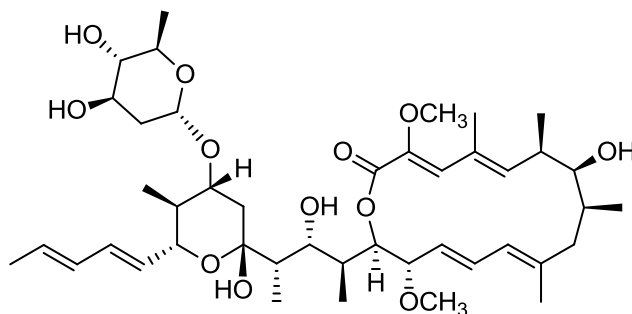


PC-766B

Code No.: **BIA-P1554**

Pack sizes: **1 mg, 5 mg**



Synonyms :

## Specifications

CAS #	: <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>
Source	: <b><i>Nocardia brasiliensis</i></b>
Appearance	: <b>Light orange solid</b>
Purity	: <b>&gt;95% by HPLC</b>
Long Term Storage	: <b>-20°C</b>
Solubility	: <b>Soluble in ethanol, methanol, DMF or DMSO.</b>

## Application Notes

PC-766B is a 16-membered macrolide antibiotic produced by *Nocardia brasiliensis*, 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.

## References

1. PC-766B, a new macrolide antibiotic produced by *Nocardia brasiliensis*. II. Isolation, physico-chemical properties and structure elucidation. Kumagai K. et al. J. Antibiot. 1993, 46, 1139.
2. PC-766B, a new macrolide antibiotic produced by *Nocardia brasiliensis*. I. Taxonomy, fermentation and biological activity. Kumagai K. et al. J. Antibiot. 1993, 46, 972.

Updated: 2 December 2014