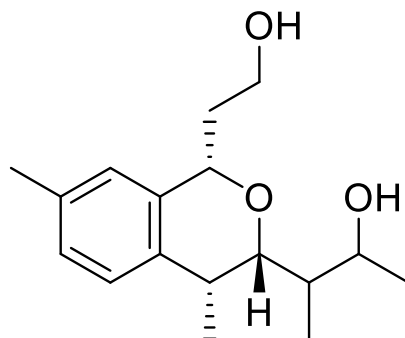


Panowamycin B

Code No.: **BIA-P2946**

Pack sizes: **0.25 mg, 1 mg**



Synonyms :

Specifications

CAS #	:	1375224-56-8
Molecular Formula	:	C₁₇H₂₆O₃
Molecular Weight	:	278.4
Source	:	<i>Streptomyces</i> sp.
Appearance	:	Colourless residue
Purity	:	>95% by HPLC
Long Term Storage	:	-20°C
Solubility	:	Soluble in ethanol, methanol, DMF or DMSO.

Application Notes

Panowamycin B is a isochroman isolated from a *Streptomyces* species by Omura and colleagues at the Kitasato Institute, Japan. Panowamycin B is moderately active against trypanosomes, with an IC₅₀ of 3.30 µg/mL. Panowamycin B is an analogue of NFAT-133, a polyketide compound with immunosuppressive, antidiabetic and antitrypanosomal activities.

References

1. Panowamycins A and B, new antitrypanosomal isochromans produced by *Streptomyces* sp. K07-0010. Hashida J. et al. *J Antibiot* 2012, 65, 197.
2. Biosynthesis of the nuclear factor of activated T cells inhibitor NFAT-133 in *Streptomyces pactum*. Zhou W. et al. *ACS Chem. Biol.* 2020, 15, 12, 3217.