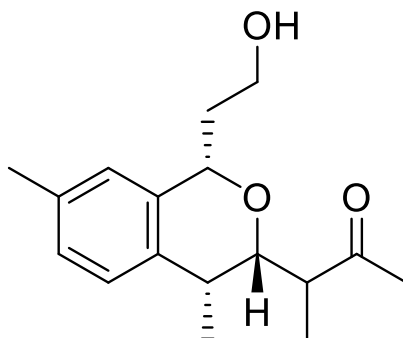


## Panowamycin A

Code No.: **BIA-P2945**

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



Synonyms :

### Specifications

CAS #	:	<b>1375224-55-7</b>
Molecular Formula	:	<b>C<sub>17</sub>H<sub>24</sub>O<sub>3</sub></b>
Molecular Weight	:	<b>276.4</b>
Source	:	<b><i>Streptomyces</i> sp.</b>
Appearance	:	<b>Oil</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

Panowamycin A is an isochroman isolated from a *Streptomyces* species by Omura and colleagues at the Kitasato Institute, Japan. Panowamycin A is moderately active against trypanosomes, with an IC<sub>50</sub> of 0.40 µg/mL. Panowamycin A 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.