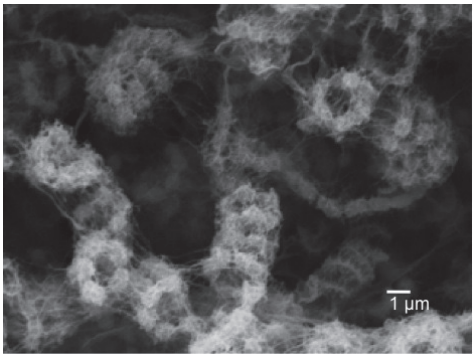
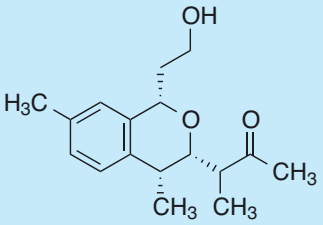
Panowamycin

1. Discovery, producing organism and structure[1)]

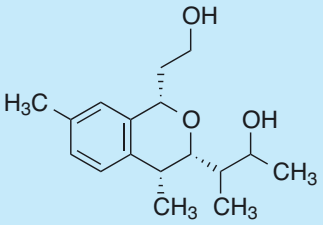
Panowamycins A and B were discovered, together with the known compounds, NFAT-133, conglobatin, piericidin C series and dinactin, in a culture broth of *Streptomyces* sp. K07-0010 and found to be antitrypanosomal isochroman compounds.



Streptomyces sp. K07-0010
Bar: 1 μm



Panowamycin A



Panowamycin B

2. Physical data (Panowamycin A)

Yellow powder. $C_{17}H_{24}O_3$; mol wt 276.37. Sol. in MeOH, $CHCl_3$.

3. Biological activity[1)]

1) *In vitro* antitrypanosomal activity

Panowamycins A and B diplayed moderate antitrypanosomal activity against *Trypanosoma brucei brucei* GuTat3.1, strain with an IC_{50} values of 0.40 and 3.30 μg/mL, respectively.

4. References

1. [1118] J. Hashida *et al*., *J. Antibiot*. **65**, 197-202 (2012)