

## Panowamycin A

## Chemical Properties

CAS No. :	1375224-55-7
Formula:	C17H24O3
Molecular Weight:	276.38
Storage:	Powder: -20°C for 3 years   In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.

## Biological Description

Description	Panowamycin A is an isochromane compound produced by Streptomyces sp. K07-0010. It exhibits antitrypanosomal activity against Trypanosoma brucei brucei strain GUTat 3.1 with an IC50 of 0.40 µg/mL. Additionally, it shows weak cytotoxicity towards human embryonic lung fibroblasts MRC-5 with an IC50 of 2.95 µg/mL. Panowamycin A is applicable in antitrypanosomal research.
Targets(IC50)	Parasite

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.6182 mL	18.091 mL	36.1821 mL
5 mM	0.7236 mL	3.6182 mL	7.2364 mL
10 mM	0.3618 mL	1.8091 mL	3.6182 mL
50 mM	0.0724 mL	0.3618 mL	0.7236 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

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