

TunR2

Chemical Properties

CAS No. :

Formula:

Molecular Weight:

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	TunR2 is an antibiotic and derivative of tunicamycin .It is active againstB. subtilis(MIC = 0.3 µg/ml) and increases the efficacy of the β-lactam antibiotics oxacillin , methicillin , and penicillin G againstB. subtiliswhen used at a concentration of 0.4 µg/ml. Unlike tunicamycin, TunR2 is non-toxic toS. cerevisiae(MIC = >10 µg/ml) and does not inhibit glycosylation in a protein N-glycosylation assay. TunR2 also has reduced antiproliferative activity against MDA-MB-231 and CHO cells compared with tunicamycin.
Targets(IC50)	Others

Reference

Price, N.P., Hartman, T.M., Li, J., et al.Modified tunicamycins with reduced eukaryotic toxicity that enhance the antibacterial activity of β-lactamsJ. Antibiot. (Tokyo)70(11)1070-1077(2017)

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