Tunicamycin

GlcNAc phosphotransferase inhibitor

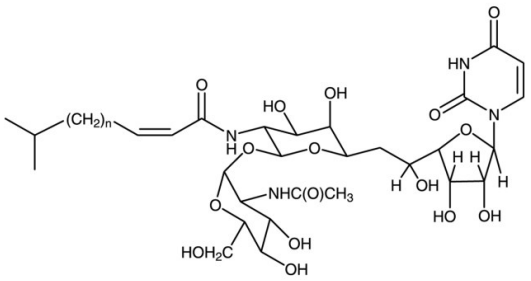
Nucleoside antibiotic. Inhibits protein N-glycosylation by blocking the transfer of N-acetylglucosamine 1-phosphate to dolichol monophosphate. Induces ER-stress following the inhibition of N-linked glycosylation. Arrests cell cycle in late G1. Unstable at acidic pH.

Citations: 28 View Online »

Ordering Information Order Online »

BML-CC104-0010	10mg

Manuals, SDS & CofA View Online »


O
HN
O
N
HO
OH
(CH2)n
O
N
H
O
O
H H
H
H OH
NHC(O)CH3
HO OH
O
HOH2C
OH
OH

Handling & Storage

Use/Stability	As indicated on product label or CoA when stored as recommended. Stable for at least 1 year after receipt when stored, as supplied, at -20°C. Stock solutions are stable for up to 3 months at -20°C.
Long Term Storage	-20°C
Shipping	Ambient Temperature

Regulatory Status

RUO - Research Use Only

Product Details

Appearance	White solid to tan solid.
CAS	11089-65-9
Couple Target	GlcNAc phosphotransferase
Couple Type	Inhibitor
Formula	$C_{38}H_{62}N_4O_{16}$ (Tun B)
MI	**14:** 9819
MW	Avg. 840.0
Purity	≥99% (TLC)
Purity Detail	Mixture of tunicamycin A, B, C and D.
RTECS	YO7980200
Solubility	Soluble in DMSO (>10mg/ml) or methanol (5mg/ml; warm).
Source	Isolated from *Streptomyces lysosuperficus*.
Technical Info / Product Notes	Replacement for **ADI-908-297**.

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