Thiostrepton

Elongation factor G inhibitor

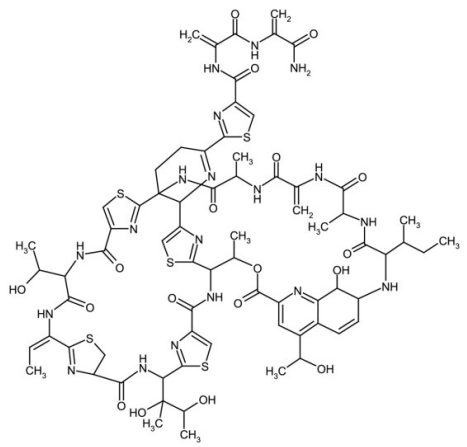
Thiazole-containing peptide antibiotic. Inhibits protein synthesis by preventing binding of GTP to the 50S ribosomal subunit. Inhibits binding of elongation factor G (EF-G) and the dissociation of EF-G from the ribosome.

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ALX-380-261-G001	1g
ALX-380-261-G005	5g

Manuals, SDS & CofA View Online »



Handling & Storage

Use/Stability	As indicated on product label or CoA when stored as recommended.
Handling	Protect from light and moisture.
Long Term Storage	-20°C
Shipping	Ambient Temperature

Regulatory Status

RUO - Research Use Only

Product Details

Activity	≥900 U/mg
Appearance	White to off-white solid.
CAS	1393-48-2
Couple Target	Elongation factor, Ribosome
Couple Type	Inhibitor, Ligand
Formula	$C_{72}H_{85}N_{19}O_{18}S_5$
MI	**14:** 9364
MW	1664.9
RTECS	XN6300100
Solubility	Soluble in acetic acid, DMSO (10mg/ml) or dimethyl formamide; insoluble in water.
Source	Isolated from *Streptomyces azureus*.

Last modified: May 29, 2024

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