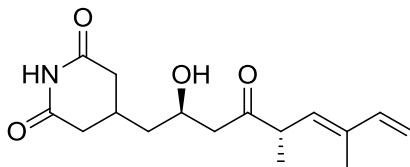


9-Methylstreptimidone

Code No.: **BIA-M1404**

Pack sizes: **0.5 mg, 2.5 mg**



Synonyms : TS 885, NSC 248958

Specifications

CAS #	: 51867-94-8
Molecular Formula	: C ₁₇ H ₂₅ NO ₄
Molecular Weight	: 307.4
Source	: <i>Streptomyces</i> sp.
Appearance	: Colourless residue
Purity	: >95% by HPLC
Long Term Storage	: -20°C
Solubility	: Soluble in ethanol, methanol, DMF or DMSO. Limited water solubility.

Application Notes

9-Methylstreptimidone is a straight chain member of the glutarimide family, isolated from a number of species of *Streptomyces* and first reported in 1974. Methylstreptimidone exhibits antifungal and prophylactic antiviral activity. The antiviral activity appears to be due to its ability to induce the production of interferon. Methylstreptimidone has also been shown to be an inhibitor of the nuclear factor, NF-κB.

References

1. Studies on a new antiviral antibiotic, 9-methylstreptimidone. I. Physicochemical and biological properties. Saito N. et al. J. Antibiot. 1974, 27, 206.
2. Antiviral and interferon-inducing activity of a new glutarimide antibiotic, 9-methylstreptimidone. Saito N. et al. Antimicrob. Agents Chemother. 1976, 10, 14.

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