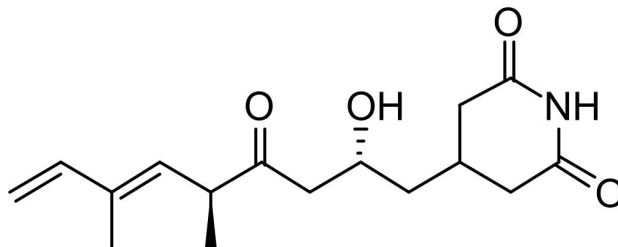


## Streptimidone

Code No.: BIA-S1853

Pack sizes.: 0.5mg, 2.5mg



### Synonyms:

NSC 66645, Protomycin, Streptimidon

## Specifications

CAS #	: <b>738-72-7</b>
Molecular Formula	: <b>C16H23NO4</b>
Molecular Weight	: <b>293.36</b>
Source	: -
Appearance	: <b>Colourless residue</b>
Purity	: <b>&gt;95% by HPLC</b>
Long Term Storage	: <b>-20°C</b>
Solubility	: <b>Soluble in ethanol, methanol, DMF or DMSO.</b>

## Application Notes

Streptimidone (protomycin) is a glutarimide antibiotic isolated from *Streptomyces* spp. first reported in 1959. Streptimidone is active against a wide spectrum of fungi and protozoans, including *Entamoeba histolytica* in vitro and in vivo. Streptimidone also exhibits herbicidal activity against several monocotyledons in the preemergent phase. Streptimidone acts as an inhibitor of protein biosynthesis by binding to 80S ribosomes.

## References

1. The antiamebic effect of protomycin, a new antibiotic isolated from the culture filtrate of a species of streptomycetes. Hirabayashi A., J. Antibiot. Ser. A 1959, 12, 298.
2. Biological studies of streptimidone, a new antibiotic. Kohberger D.L., Antibiot. Chemother. 1960, 10, 9.
3. Inhibitors of protein synthesis on 80S ribosomes phase shift the gonyaulax clock. Taylor W.R. et al., J. Exp. Biol. 1982, 97, 121.