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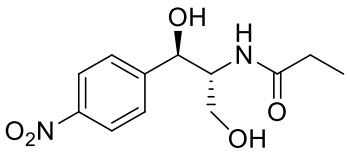
PRODUCT DATA SHEET

# Corynecin II

Code No.: **BIA-C1481**

Pack sizes: **1 mg, 5 mg**




Synonyms : -

## Specifications

| | | |
|---|---|---|
| CAS # | : | **35098-52-3** |
| Molecular Formula | : | **$C_{12}H_{16}N_2O_5$** |
| Molecular Weight | : | **268.3** |
| Source | : | ***Corynebacterium* sp.** |
| Appearance | : | **White solid** |
| Purity | : | **>95% by HPLC** |
| Long Term Storage | : | **-20°C** |
| Solubility | : | **Soluble in methanol, DMSO. Poor water solubility.** |

## Application Notes

Corynecin II is a member of a naturally-occurring complex of chloramphenicol-like acyl nitrophenylpropylamines isolated from Corynebacterium hydrocarboclastus in 1972. Corynecin II is active against Gram positive and Gram negative bacteria. Although less potent than chloramphenicol, corynecin II shows a similar species selectivity.

## References


1. Production of antibacterial compounds analogues to chloramphenicol by a n-paraffin-grown bacterium. Suzuki T. et al., Agri. Biol. Chem. 1972, 36, 2223.
2. The structure of corynecins; chloramphenicol by a n-paraffin-grown bacterium. Shirahata K. et al., Agri. Biol. Chem. 1972, 36, 2229.



For in vitro laboratory use only. Not for human or animal use.



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