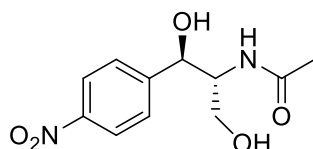


## Corynecin I

Code No.: **BIA-C1480**

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



Synonyms : Dechlorochloramphenicol, Didechloramphenicol

### Specifications

CAS #	: 4423-58-9
Molecular Formula	: C <sub>11</sub> H <sub>14</sub> N <sub>2</sub> O <sub>5</sub>
Molecular Weight	: 254.2
Source	: <i>Corynebacterium</i> sp.
Appearance	: White solid
Purity	: >95% by HPLC
Long Term Storage	: -20°C
Solubility	: Soluble in ethanol, methanol, DMF or DMSO. Poor water solubility.

### Application Notes

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