Chlorothricin

Synonyms: K 818A

Specifications
CAS #: 34707-92-1
Molecular Formula: C_{50}H_{63}ClO_{16}
Molecular Weight: 955.5
Source: Streptomyces sp.
Appearance: White solid
Purity: >99% by HPLC
Long Term Storage: -20°C
Solubility: Soluble in ethanol, methanol, DMF or DMSO. Poor water solubility.

Application Notes
The tetronic acid, chlorothricin, is an unusual macrocyclic antibiotic from a Streptomyces sp., related to kijanimicin, saccharocarcsins, tetrocarcins and versipelostatin. Chlorothricin inhibits cholesterol biosynthesis from mevalonate, and inhibits pyruvate carboxylases purified from rat liver, chicken liver and Azotobacter vinelandii.

References

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