Enopeptin A

**Synonyms**: Enopeptin II, BRN 5373924, NSC657143

**Specifications**

- **CAS #**: 139601-96-0
- **Molecular Formula**: \( \text{C}_{47}\text{H}_{57}\text{N}_{7}\text{O}_{11} \)
- **Molecular Weight**: 896.0
- **Source**: *Streptomyces* sp.
- **Appearance**: Yellow solid
- **Purity**: >95% by HPLC
- **Long Term Storage**: -20°C
- **Solubility**: Soluble in ethanol, methanol, DMF or DMSO.

**Application Notes**

Enopeptin A is an unusual depsipeptide featuring a pentaenone side chain, reported as an antiviral by researchers at RIKEN in 1991. Enopeptin A has potent antibacterial activity against Gram positive and Gram negative bacteria, including MRSA. Enopeptin A is the most non-polar of the acyldepsipeptide (ADEP) antibiotics which include the recently rediscovered compounds, A54556 A and B, that act by activating and disregulating Clp-family proteins.

**References**


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