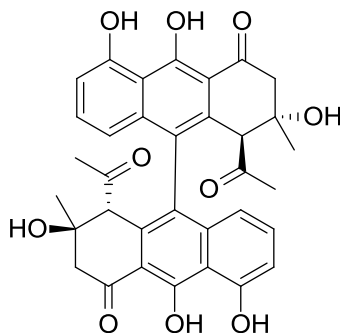


A 39183A

Code No.: **BIA-A1612**

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



Synonyms : Antibiotic A 39183A

Specifications

CAS #	: 79426-51-0
Molecular Formula	: C ₃₄ H ₃₀ O ₁₀
Molecular Weight	: 598.6
Source	: <i>Streptomyces</i> sp.
Appearance	: Yellow solid
Purity	: >95% by HPLC
Long Term Storage	: -20°C
Solubility	: Soluble in ethanol, methanol, DMF or DMSO.

Application Notes

A 39183A is a rare 9,9'-bianthryl antibiotic related to setomimycin isolated from a strain of *Streptomyces* by researchers at Eli Lilly, USA, in 1981. A 39183A has broad spectrum antibiotic activity against both susceptible and resistant isolates including many anaerobic species. The patent reported that A 39183A acts as an ionophore, aiding the partitioning of Mg⁺ and Ca⁺ ions into organic solvents and transport of ferric ions into mitochondria.

References

1. Antibiotics and processes for production thereof. Koch K. & Kastner R.E. US Patent 4283390, 1981.