

Product Name:	A 39183A
Product Number:	A109
CAS Number:	79426-51-0
Molecular Formula:	$C_{34}H_{30}O_{10}$
Molecular Weight:	598.6
Appearance:	Yellow solid
Storage Conditions:	-20°C
Description:	<p>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.</p> <p>A 39183A is soluble in ethanol, methanol, DMF and DMSO.</p>
Mechanism of Action:	<p>A 38183A acts as an ionophore, aiding the partitioning of Mg⁺ and Ca⁺ ions into organic solvents and transport of ferric ions into mitochondria.</p>
References:	<p>Antibiotics and processes for production thereof. Koch K. & Kastner R.E. US Patent 4283390, 1981.</p>