

Product Name: Setomimycin

Product Number: S080

CAS Number: 69431-87-4

Molecular Formula: $C_{34}H_{28}O_9$

Molecular Weight: 580.6

Appearance: Orange solid

Storage Conditions: -20°C

Description: Setomimycin is a rare 9,9'-bianthryl antibiotic first isolated from a strain of *Streptomyces pseudovenezuelae* by Omura and colleagues at the Kitasato Institute, Japan, in 1978. Setomimycin is active against Gram positive bacteria, including mycobacteria, and has antitumor activity both in vitro and in vivo. Limited access has restricted further research on this metabolite.

Setomimycin is soluble in ethanol, methanol, DMF and DMSO.

References: A new antibiotic, setomimycin, produced by a strain of *Streptomyces*. Omura S. et al. J. Antibiot. 1978, 31, 1091.

Structure and biosynthesis of setomimycin, a novel 9,9'-bianthryl antibiotic. Kakinuma K. et al. J. Am. Chem. Soc. 1980, 102, 7493.