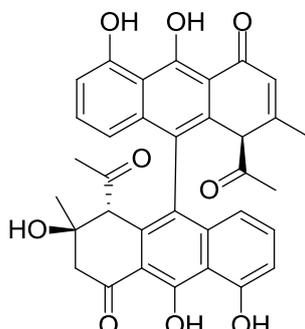


## Setomimycin

Code No.: **BIA-S1611**

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



Synonyms :

### Specifications

CAS #	:	<b>69431-87-4</b>
Molecular Formula	:	<b>C<sub>34</sub>H<sub>28</sub>O<sub>9</sub></b>
Molecular Weight	:	<b>580.6</b>
Source	:	<b><i>Streptomyces</i> sp.</b>
Appearance	:	<b>Orange solid</b>
Purity	:	<b>&gt;95% by HPLC</b>
Long Term Storage	:	<b>-20°C</b>
Solubility	:	<b>Soluble in ethanol, methanol, DMF or DMSO.</b>

### Application Notes

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.

### References

1. A new antibiotic, setomimycin, produced by a strain of *Streptomyces*. Omura S. et al. *J. Antibiot.* 1978, 31, 1091.
2. Structure and biosynthesis of setomimycin, a novel 9,9'-bianthryl antibiotic. Kakinuma K. et al. *J. Am. Chem. Soc.* 1980, 102, 7493.

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