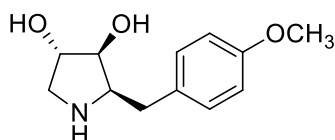


Deacetylanisomycin

Code No.: **BIA-D1368**

Pack sizes: **5 mg, 25 mg**



Synonyms : SA 3097D1

Specifications

CAS #	: 27958-06-1
Molecular Formula	: C₁₂H₁₇NO₃
Molecular Weight	: 223.3
Source	: <i>Streptomyces griseolus</i>
Appearance	: White solid
Purity	: >95% by HPLC
Long Term Storage	: -20°C
Solubility	: Soluble in ethanol, methanol, DMF or DMSO. Limited water solubility.

Application Notes

Deacetylanisomycin is the core structure of a family of dihydroxypyrrolidines produced by several species of *Streptomyces*. Anisomycin esters are potent inhibitors of protein synthesis. While considered inactive, deacetylanisomycin is a potent growth regulator in plants and its underlying pharmacology is poorly researched. This is all the more significant as anisomycin undergoes facile hydrolysis to deacetylanisomycin in vivo and in polar solvents in vitro.

References

1. Anisomycin, a new anti-protozoan antibiotic. Sobin B.A. & Tanner F.W. J. Am. Chem. Soc. 1954, 76, 4053.
2. Studies on plant growth-regulating activities of anisomycin and toyocamycin. Yamada O. et al., Agr. Biol. Chem. 1972, 36, 2013.