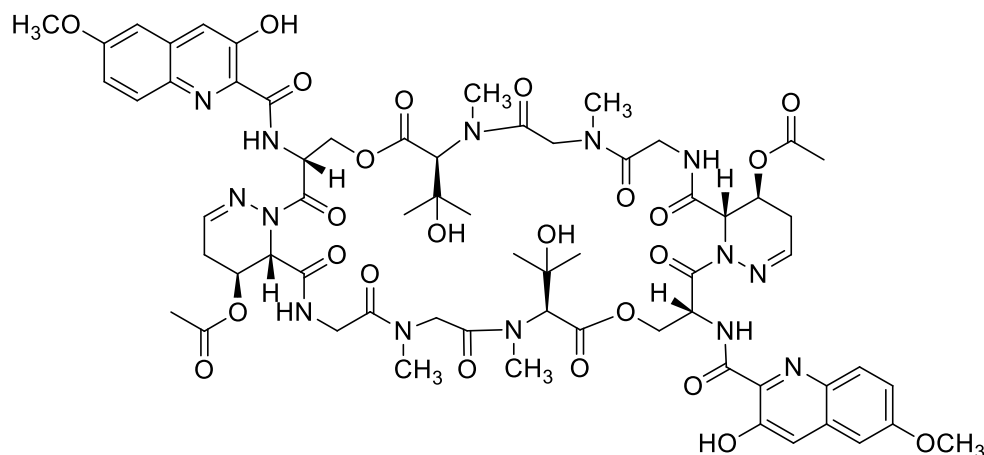


Luzopeptin A

Code No.: **BIA-L1139**

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



Synonyms : **BBM-928A**

Specifications

CAS #	: 75580-37-9
Molecular Formula	: C₆₄H₇₈N₁₄O₂₄
Molecular Weight	: 1427.4
Source	: <i>Actinomadura sp. (luzonensis)</i>
Appearance	: Tan solid
Purity	: >95% by HPLC
Long Term Storage	: -20°C
Solubility	: Soluble in DMF or DMSO. Moderately soluble in methanol or ethanol. Poor water solubility.

Application Notes

Luzopeptin A is a member of the echinomycin (quinomycin A) class of antitumor and antibiotic agents that act by forming a stable DNA complex by bis-intercalation. Luzopeptin A is also a potent inhibitor of HIV-1 reverse transcriptase.

References

1. BBM-928, a new antitumor antibiotic complex I. Production, isolation, characterization and antitumor activity. Ohkuma, H. et al., J. Antibiot. 1980, 33, 1087.
2. Screening for inhibitors of avian myeloblastosis virus reverse transcriptase and effect on the replication of AIDS virus. Inouye Y.J. Antibiot. 1987, 40, 100.
3. Proton exchange in DNA-luzopeptin and DNA-echinomycin bisintercalation complexes: rates and processes of base-pair opening. Leroy J.L. et al., Biochemistry. 1992, 31, 1407.