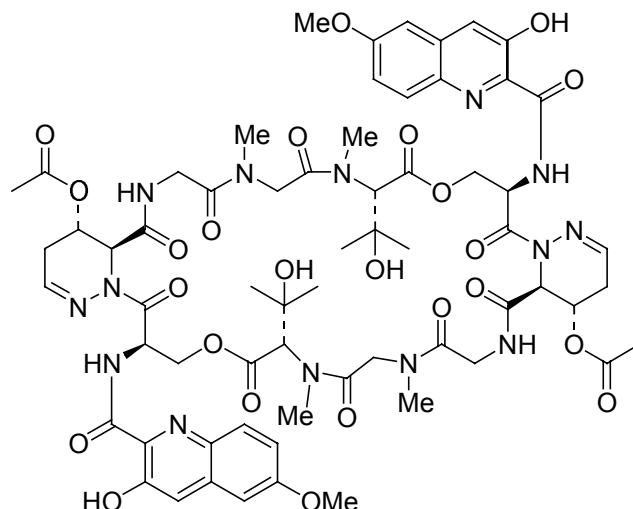


## Luzopeptin A

Code: **BIA-L1130**

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



Synonyms : **Antibiotic BBM928A**

### Specifications

CAS # : **75580-37-9**  
Molecular Formula : **C<sub>64</sub>H<sub>78</sub>N<sub>14</sub>O<sub>24</sub>**  
Molecular Weight : **1427.4**  
Source : **Actinomadura sp. MST-AS5120**  
Appearance : **Tan solid**  
Purity : **> 99% by HPLC**  
Long Term Storage : **-20°C**  
Solubility : **DMSO and DMF, partially soluble in methanol and ethanol while poorly soluble in water**

### Application Notes

Luzopeptin is a member of the echinomycin (quinomycin A) class of antitumor and antibiotic agents that act by formation of a stable DNA complex by bis-intercalation. Luzopeptin A has also been shown to be 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.