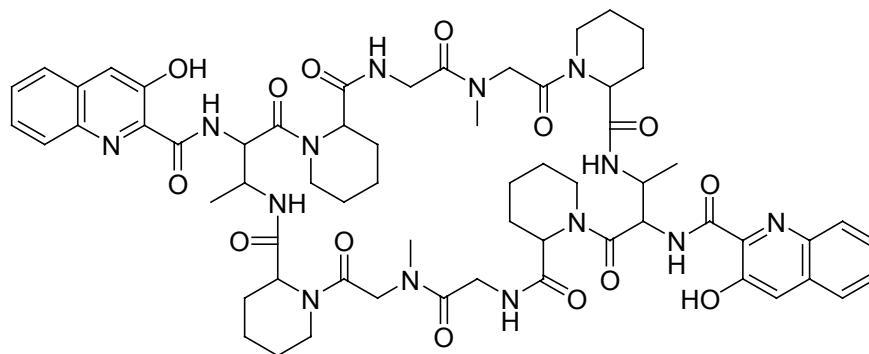


Quinaldopeptin

Code: **BIA-Q1072**

Pack sizes: **0.5 mg, 2.5 mg**



Synonyms : **Antibiotic BMY 28662, Antibiotic BU 3845T**

Specifications

CAS # : **130743-07-6**
Molecular Formula : **C₆₂H₇₈N₁₄O₁₄**
Molecular Weight : **1243.37**
Source : ***Amycolatopsis* sp. MST- AS5902**
Appearance : **Pale yellow solid**
Purity : **> 98% by HPLC**
Long Term Storage : **+4°C**
Solubility : **Soluble in methanol, DMF or DMSO.**

Application Notes

Quinaldopeptin, a symmetrical cyclic decapeptide from an *Amycolatopsis* sp., is a bis-intercalator of DNA. It exhibits strong *in vitro* antimicrobial and cytotoxic activity and significantly prolonged the survival time of mice inoculated with a murine tumor. Quinaldopeptin also shows weak nematocidal activity and is related to the luzopeptins and sandramycin.

References

1. Quinaldopeptin, a novel antibiotic of the quinomycin family. Toda S. et al. *J. Antibiot.* **1990**, 43, 796.
2. Structure of actinotetraose hexatiglate, a unique glucotetraose from an actinomycete bacterium. Rickards R.W. et al. *J. Antibiot.* **1998**, 51, 1093.