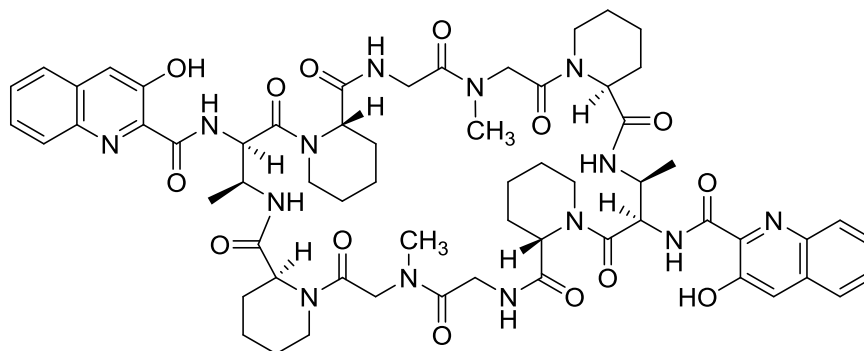


Quinaldopeptin

Code No.: **BIA-Q1072**

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



Synonyms : BMY 28662, BU 3845T

Specifications

CAS #	: 130743-07-6
Molecular Formula	: C ₆₂ H ₇₈ N ₁₄ O ₁₄
Molecular Weight	: 1243.4
Source	: <i>Amycolatopsis</i> sp.
Appearance	: Yellow Powder
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

Quinaldopeptin is a symmetrical, cyclic decapeptide from an *Amycolatopsis* sp. that is a bis-intercalator of DNA, exhibiting strong in vitro antimicrobial and cytotoxic activity. Quinaldopeptin significantly prolongs the survival time of mice inoculated with a murine tumor, and also shows weak nematocidal activity. Quinaldopeptin 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.