PRODUCT DATA SHEET

Quinomycin A

Code No.: BIA-Q1102
Pack sizes: 1 mg, 5 mg

Synonyms: Echinomycin, Actinoleukin, 1491, 59266, X 948, X 53III

Specifications

- CAS #: 512-64-1
- Molecular Formula: C_{51}H_{64}N_{12}O_{12}S_{2}
- Molecular Weight: 1101.3
- Source: Streptomyces sp.
- Appearance: Fawn to off-white solid
- Purity: >99% by HPLC
- Long Term Storage: -20°C
- Solubility: Soluble in DMF or DMSO. Limited solubility in ethanol and methanol. Poor water solubility.

Application Notes

Quinomycin A is a cyclic depsipeptide metabolite. Quinomycin A has broad activity against bacteria, fungi and viruses, and has found application as an antitumor agent. Quinomycin A acts by bifunctional intercalation of nucleic acids. Recent research has shown quinomycin A to be an extremely potent inhibitor of hypoxia-inducible factor-1 (HIF-1). This transcription factor plays an essential role in tumor progression and metastasis.

References