Neoantimycin

Synonyms:

Specifications

CAS # : 22862-63-1
Molecular Formula : C_{36}H_{46}N_{2}O_{12}
Molecular Weight : 698.8
Source : Streptomyces sp.
Appearance : White solid
Purity : >98% by HPLC
Long Term Storage : -20°C
Solubility : Soluble in ethanol, methanol, DMF or DMSO. Poor water solubility.

Application Notes

Neoantimycin is a rare and unusual ring-extended member of the antimycin class. Neoantimycin is produced by a Streptomyces species unrelated to antimycin-producing strains. Literature references to neoantimycin are limited but the recent discovery of the closely related metabolite, prunustatin A, as a selective GRP78 molecular chaperone down-regulator highlights the potential of this class as research probes.

References