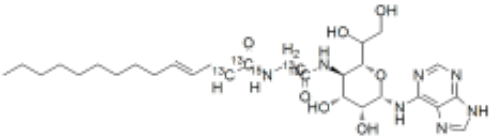
Chemtos Reference Standards - 16713 Picadilly Ct **Phone: 1-512-686-4444 - Email: info@chemtos.com**
Round Rock TX 78664

KRN5500-13C4,15N

Product Code: K-5500
Weight: 10.00mg



Short Description

High purity KRN5500 Labeled $^{13}C_4$,^{15}N (KRN 5500; NSC-650426; SPK-241) includes a comprehensive Certificate of Analysis and all supporting analytical data

Description

This compound comes with a comprehensive Certificate of Analysis.

Availability: In-stock

Controlled Substance: No

10 mg ; 25 mg ;

CAS 151276-95-8 (unlabeled)

O[C@@H]1[C@H](O)[C@@H](N[13C]([13CH2][15NH][13C](/[13CH]=C/C=C/CCCCCCCCC)=O)=O)[C@H](C(CO)O)O[C@@H]1NC2=C(N=CN3)C3=NC=N2

KRN5500 is a semisynthetic derivative of the nucleoside-like antineoplastic antibiotic spicamycin, originally isolated from the bacterium Streptomyces alanosinicus. KRN 5500 inhibits protein synthesis by interfering with endoplasmic reticulum and Golgi apparatus functions. This agent also induces cell differentiation and caspase-dependent apoptosis.