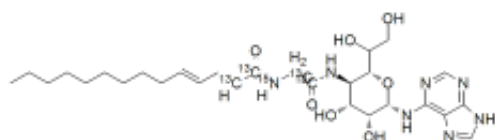


KRN5500- $^{13}\text{C}_4$, ^{15}N

Product Code: K-5500

Weight: 10.00mg



Short Description

High purity KRN5500 Labeled $^{13}\text{C}_4$, ^{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/CCCCC)=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.