

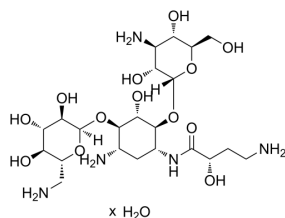
## Amikacin (hydrate)

Cat. No.: HY-B0509  
 CAS No.: 1257517-67-1  
 Batch No.: 319123  
 Chemical Name: D-Streptamine, O-3-amino-3-deoxy- $\alpha$ -D-glucopyranosyl-(1 $\rightarrow$ 6)-O-[6-amino-6-deoxy- $\alpha$ -D-glucopyranosyl-(1 $\rightarrow$ 4)]-N1-[(2S)-4-amino-2-hydroxy-1-oxobutyl]-2-deoxy-, hydrate (1:x)

### PHYSICAL AND CHEMICAL PROPERTIES

Molecular Formula:  $C_{22}H_{43}N_5O_{13} \cdot xH_2O$   
 Storage: 4°C, sealed storage, away from moisture  
 \* In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)

#### Chemical Structure:



### ANALYTICAL DATA

Appearance: White to off-white (Solid)  
<sup>1</sup>H NMR Spectrum: Consistent with structure  
 MS: Consistent with structure  
 Purity (HPLC): 99.40%  
 Conclusion: The product has been tested and complies with the given specifications.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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