

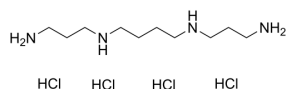
Spermine (tetrahydrochloride)

Cat. No.: HY-B1777A
CAS No.: 306-67-2
Batch No.: 255247
Chemical Name: 1,4-Butanediamine, N1,N4-bis(3-aminopropyl)-, hydrochloride (1:4)

PHYSICAL AND CHEMICAL PROPERTIES

Molecular Formula: $C_{10}H_{30}Cl_4N_4$
Molecular Weight: 348.18
Storage: 4°C, protect from light
* In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)

Chemical Structure:



ANALYTICAL DATA

Appearance: White to off-white (Solid)
¹H NMR Spectrum: Consistent with structure
Purity (NMR): ≥98.0%
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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