

## **Certificate of Analysis**

## Spermidine (hydrochloride)

 Cat. No.:
 HY-B1776A

 CAS No.:
 334-50-9

 Batch No.:
 85556

Chemical Name: 1,4-Butanediamine, N1-(3-aminopropyl)-, hydrochloride (1:3)

## PHYSICAL AND CHEMICAL PROPERTIES

Molecular Formula:  $C_7H_{22}Cl_3N_3$ Molecular Weight: 254.63

**Storage:** 4°C, stored under nitrogen

\* In solvent : -80°C, 6 months; -20°C, 1 month (stored under nitrogen)

**Chemical Structure:** 

 $H_2N$  N N  $NH_2$   $NH_2$ 

## **ANALYTICAL DATA**

Appearance: White to off-white (Solid)

<sup>1</sup> H 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.

Tel: 609-228-6898 Fax: 609-228-5909 E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA