

Certificate of Analysis

Spermidine-d₈ (hydrochloride)

| Cat. No.: | HY-B1776AS |
|----------------|---------------------------------------------------------------|
| CAS No.: | 1173019-26-5 |
| Batch No.: | 282715 |
| Chemical Name: | 1,4-Butanediamine, N1-(3-aminopropyl)-d8, hydrochloride (1:3) |

PHYSICAL AND CHEMICAL PROPERTIES

| Molecular Formula: | $C_7H_{14}D_8CI_3N_3$ |
|--------------------|-------------------------------------------------------------------------------------|
| Molecular Weight: | 262.68 |
| Storage: | -20°C, sealed storage, away from moisture |
| | * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture) |

Chemical Structure:

 NH_2 H_2N^{\prime} N Ď Ď Ď ъ H-CI H-CI H-CI

ANALYTICAL DATA

| Appearance: | White to off-white (Solid) |
|----------------------|-------------------------------------------------------------------------|
| Purity: | ≥95.0% |
| Isotopic Enrichment: | 98.00% |
| Conclusion: | The product has been tested and complies with the given specifications. |

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Proteins

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

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