

Certificate of Analysis

Spermidine-¹³C₄ (hydrochloride)

Cat. No.:	HY-B1776AS1
CAS No.:	1313734-84-7
Batch No.:	321137
Chemical Name:	1,4-Butanediamine, N1-(3-aminopropyl)-13C4, hydrochloride (1:3)

PHYSICAL AND CHEMICAL PROPERTIES

Molecular Formula:	$C_4^{13}C_3H_{16}Cl_3N_3$
Molecular Weight:	251.56
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:

 $H_{2}N^{13}C_{3}C^{13}C_{10}NH_{2}$

ANALYTICAL DATA

Appearance:	White to off-white (Solid)
Purity:	≥95.0%
Isotopic Enrichment:	99.80%
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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