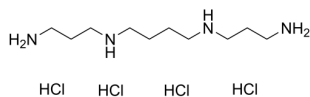


Certificate of Analysis

Compound Information

Product Name:	Spermine (tetrahydrochloride)
Cat. No.:	1090857
CAS No.:	306-67-2
Molecular Formula:	C ₁₀ H ₃₀ Cl ₄ N ₄
Molecular Weight:	348.18
Chemical Structure:	



Batch Information

Batch No.:	Lf0610139122
Storage:	2-8°C, protect from light
Mfg. Date:	2022-06-11
Retest Date:	2025-06-10
Origin:	Shanghai, China

QC Summary

Appearance:	White to off-white (Solid)
¹H NMR Spectrum:	Consistent with structure
Purity (NMR):	≥98.0%
Water(KF):	0.15%
Conclusion:	The product has been tested and complies with the given specifications.

Caution: Research use only and are not intended for human use.

Tel: 400-821-0725

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