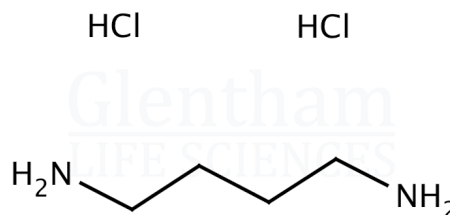


Certificate of Analysis

Product Name	Putrescine dihydrochloride
Glentham Code	GP9873
CAS Number	333-93-7
EINECS	206-375-9
MDL Number	MFCD00012526
PubChem SID	310279396
Batch Number	567CYN
Molecular Weight	161.08
Molecular Formula	$C_4H_{12}N_2 \cdot 2HCl$
Storage Temp.	+20°C



Property	Specification	Batch 567CYN
Physical Description	White to off-white crystalline powder or crystals	Almost-white crystalline powder
Solubility (10% in water)	Clear, colourless solution	Clear, colourless solution
Residue on Ignition	≤ 0.2%	0.1%
Heavy Metals	≤ 20ppm	≤ 20ppm
Loss on Drying	≤ 0.5% (105°C)	0.4%
Assay	≥ 98.0% (dried basis)	99.7%

Specification Version	v1.1
Manufacture Date	2025-01-09
Re-Test Date	2033-02-17

Glentham Life Sciences confirm that the above referenced product conformed to the information displayed in this document on the quality release date. Please check www.glentham.com or contact us using the details above for the current version of this document.

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