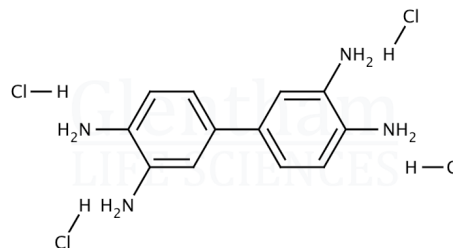


Certificate of Analysis

Product Name	3,3'-Diaminobenzidine tetrahydrochloride hydrate
Glentham Code	GE4032
CAS Number	868272-85-9
EINECS	231-018-9
MDL Number	MFCD08273058
Additional CAS	7411-49-6 (anhydr.)
PubChem SID	310271267
Batch Number	621TKV
Molecular Weight	360.11 (anhydrous)
Molecular Formula	$C_{12}H_{14}N_4 \cdot 4HCl \cdot xH_2O$
Storage Temp.	+20°C



Property	Specification	Batch 621TKV
Physical Description	Grey to purple-brown crystalline powder	Purple crystalline powder
Loss on Drying	≤ 10.0%	7.8%
Assay (HPLC)	≥ 96.0%	98.2%

Specification Version	v1.1
Manufacture Date	2022-03-28
Re-Test Date	2029-05-09

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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