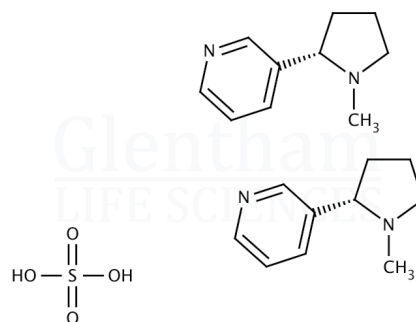


Certificate of Analysis

Product Name	(-)-Nicotine hemisulfate salt, 40% aqueous solution
Glentham Code	GL6791
CAS Number	65-30-5
MDL Number	MFCD00148918
PubChem SID	310277764
Batch Number	001WDY
Molecular Weight	422.54
Molecular Formula	$(C_{10}H_{14}N_2)_2 \cdot H_2SO_4$
Storage Temp.	+20°C



Property	Specification	Batch 001WDY
Physical Description	Brown to dark brown liquid	Dark brown liquid
pH	5.0 - 7.0	6.63
Heavy Metals	≤ 20ppm	Conforms
Nicotine Content	35.0 - 41.0 %	38.3%
Purity (GC)	≥ 95.0% (of Nicotine)	98.58%

Specification Version	v1.1
Manufacture Date	2019-10-15
Re-Test Date	2026-10-15

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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