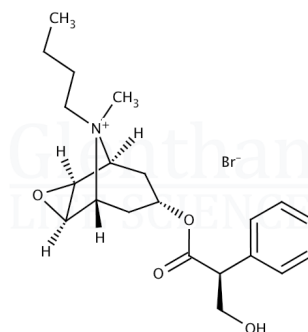


Certificate of Analysis

Product Name	Scopolamine butylbromide
Glentham Code	GP9811
CAS Number	149-64-4
EINECS	205-744-1
MDL Number	MFCD00078561
Batch Number	312XQH
Molecular Weight	440.37
Molecular Formula	$C_{21}H_{30}BrNO_4$
Storage Temp.	+20°C



Property	Specification	Batch 312XQH
Physical Description	White or almost white crystalline powder	Conforms
Solubility (5% in water)	Clear, colourless solution	Conforms
Specific Optical Rotation	-16.0 - -22.0 ° (c=5, water)	-19.4°
Loss on Drying	≤ 3.0%	0.22%
Assay (Titration)	98.0 - 102.0 % (dried basis)	99.6%

Specification Version	v1.0
Manufacture Date	2018-02-01
Re-Test Date	2028-04-16

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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