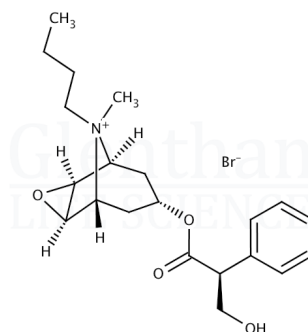


Product Specification

Product Name	Scopolamine butylbromide, EP grade
Glentham Code	GP6962
CAS Number	149-64-4
EINECS	205-744-1
MDL Number	MFCD00078561
PubChem SID	310279923

Molecular Weight	440.37
Molecular Formula	$C_{21}H_{30}BrNO_4$
Storage Temp.	+20°C



Property	Specification
Physical Description	White or almost white crystalline powder
Identification (IR)	To conform to standard
Identification	D, E, F according to EP
Specific Optical Rotation	-18.0 - -20.0 ° (c=5, water)
Melting Point	139.0 - 141.0 °C
Solubility (5% in water)	Clear, colourless solution
pH (5% in water)	5.5 - 6.5
Impurity A	≤ 0.10% (HPLC)
Impurities B, C, D, E, F, G	≤ 0.20% (each, HPLC)
Any Other Individual Impurity	≤ 0.10% (HPLC)
Total Impurities	≤ 0.40% (HPLC)
Sulphated Ash	≤ 0.1%
Loss on Drying	≤ 2.5% (105°C)
Assay (Titration)	98.0 - 101.0 % (dried substance)
Pharmacopoeia Specification(s)	EP

Specification Version	- v1.1
Date Created	- 2018-04-17

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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