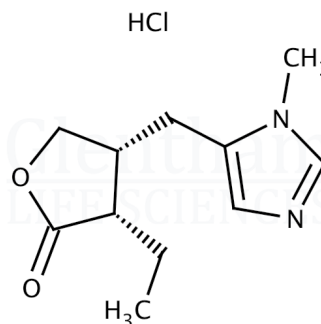


Product Specification

Product Name	(+)-Pilocarpine hydrochloride
Glentham Code	GP9995
CAS Number	54-71-7
EINECS	200-212-5
MDL Number	MFCD00012722
PubChem SID	310278996
Molecular Weight	244.72
Molecular Formula	$C_{11}H_{16}N_2O_2 \cdot HCl$
Storage Temp.	+20°C



Property	Specification
Physical Description	Colourless, white or almost white crystalline powder or crystals, hygroscopic
Identification	Conforms to EP, USP
Appearance of Solution	Clear, $\leq Y7$
pH	3.5 - 4.5
Melting Point	$\sim 203^\circ C$
Specific Optical Rotation	EP: 89.0 - 93.5 °, USP: 88.5 - 91.5 °
Loss on Drying	EP: $\leq 0.5\%$, USP: $\leq 3.0\%$
Related Substances (EP)	Isopilocarpine: $\leq 1.0\%$ Isopilocarpine + Pilocarpic acid: $\leq 1.5\%$ Total Other Impurities: $\leq 0.5\%$
Related Substances (USP)	Isopilocarpine: $\leq 1.0\%$ Pilocarpine acid: $\leq 0.5\%$ Isopilocarpine acid: $\leq 0.1\%$ Any Unspecified Impurity: $\leq 0.1\%$ Total Impurities: $\leq 0.5\%$
Readily Carbonisable Substances	Conforms to USP
Other Alkaloids	Conforms to USP
Iron (Fe)	$\leq 10\text{ppm}$
Sulphated Ash	$\leq 0.1\%$
Assay (anhydrous basis)	EP: 99.0 - 101.0 %, USP: 98.0 - 102.0 %
Pharmacopoeia Specification(s)	EP, USP

Specification Version	-	v1.0
Date Created	-	2014-09-15

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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