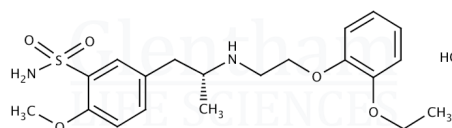


Product Specification

Product Name	Tamsulosin hydrochloride, EP grade
Glentham Code	GP8711
CAS Number	106463-17-6
MDL Number	MFCD00922997
Additional CAS	106133-20-4 (base)
Molecular Weight	444.97
Molecular Formula	$C_{20}H_{28}N_2O_5S \cdot HCl$
Storage Temp.	+20°C



Property	Specification
Physical Description	White or almost white powder
Solubility	Slightly soluble in water, freely soluble in formic acid, slightly soluble in ethanol
Identification	A, B, C, D according to EP
Any Unspecified Impurity	≤ 0.10% (eluting before tamsulosin)
Any Unspecified Impurity	≤ 0.10% (eluting after tamsulosin)
Total Impurities	≤ 0.2% (before + after)
Enantiomeric Purity	≤ 0.1% (Impurity G)
Sulphated Ash	≤ 0.1%
Loss on Drying	≤ 0.5% (105°C, 2h)
Assay (Titration)	98.5 - 101.0 % (dried substance)
Pharmacopoeia Specification(s)	EP

Specification Version	- v1.0
Date Created	- 2017-01-04

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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