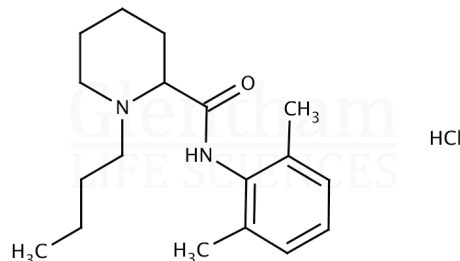


Certificate of Analysis

Product Name	Bupivacaine hydrochloride
Glentham Code	GP3506
CAS Number	18010-40-7
Additional CAS	73360-54-0 (HCl.H ₂ O)
Additional CAS	14252-80-3 (HCl)
Additional CAS	2180-92-9
Additional CAS	38396-39-3 (base)
PubChem SID	310269081
Batch Number	189OTZ

Molecular Weight	324.89
Molecular Formula	C ₁₈ H ₂₉ ClN ₂ O
Storage Temp.	+4°C



Property	Specification	Batch 189OTZ
Physical Description	White or almost white crystalline powder	White crystalline powder
Solubility (5% in ethanol)	Clear, colourless solution	Clear, colourless solution
Specific Optical Rotation ([α] _{20/D})	-10.0 - +10.0 ° (c=1, ethanol)	Conforms
Loss on Drying	≤ 3.0% (105°C)	0.13%
Assay (Titration)	≥ 98.0%	99.9%

Specification Version	v1.0
Manufacture Date	2020-07-06
Re-Test Date	2029-08-03

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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