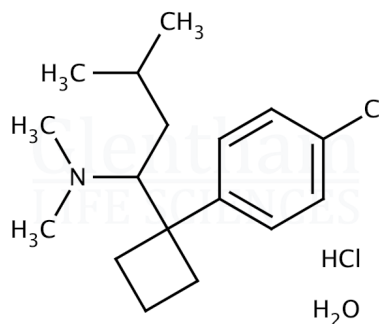


Certificate of Analysis

Product Name Sibutramine hydrochloride
Glenthams Code GP4519
CAS Number 125494-59-9
MDL Number MFCD04039806
Additional CAS 106650-56-0 (base)
PubChem SID 310280007
Batch Number 033SMU

Molecular Weight 316.31 (anhydrous)
Molecular Formula $C_{17}H_{26}ClN \cdot HCl \cdot H_2O$
Storage Temp. -20°C



Property	Specification	Batch 033SMU
Physical Description	White to off-white powder	Conforms
Water	4.0 - 7.0 %	5.7%
Residue on Ignition	≤ 0.2%	0.04%
Heavy Metals	≤ 10ppm	4ppm
Total Impurities	≤ 1.0%	0.37%
Assay	98.0 - 102.0 % (dried basis)	99.46%

Specification Version v1.0
Manufacture Date 2015-10-21
Re-Test Date 2028-02-22

Glenthams Life Sciences confirm that the above referenced product conformed to the information displayed in this document on the quality release date. Please check www.glenthams.com or contact us using the details above for the current version of this document.

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