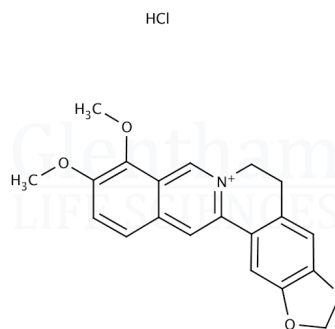


Certificate of Analysis

Product Name	Berberine hydrochloride
Glentham Code	GK8292
CAS Number	633-65-8
EINECS	211-195-9
MDL Number	MFCD00011939
Additional CAS	2086-83-1
Additional CAS	141433-60-5
Batch Number	785BPS

Molecular Weight	371.82
Molecular Formula	$C_{20}H_{18}ClNO_4$
Storage Temp.	+20°C



Property	Specification	Batch 785BPS
Physical Description	Yellow or orange powder	Yellow powder
Solubility (1% in DMSO)	Clear to slightly turbid, faint yellow to orange or brown solution	Clear, orange solution
Water	≤ 15.0%	3.23%
Assay	96.0 - 104.0 % (dried basis)	97.4%

Specification Version	v1.1
Manufacture Date	2019-03-26
Re-Test Date	2028-08-12

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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