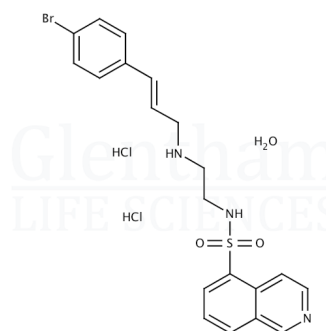


Certificate of Analysis

Product Name	H-89 dihydrochloride hydrate
Glentham Code	GK1902
CAS Number	130964-39-5
MDL Number	MFCD11045926
PubChem SID	310274477
Batch Number	703WHN

Molecular Weight	519.28 (anhydrous)
Molecular Formula	$C_{20}H_{20}BrN_3O_2S \cdot 2HCl \cdot xH_2O$
Storage Temp.	+4°C



Property	Specification	Batch 703WHN
Physical Description	White to off-white solid	White solid
Solubility	Soluble in DMSO, methanol	Conforms
Purity (NMR)	≥ 98%	Conforms

Specification Version	v1.0
Manufacture Date	2020-06-12
Re-Test Date	2029-03-04

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.

This document was generated electronically and is therefore valid without signature. © Glentham Life Sciences Ltd, 2025