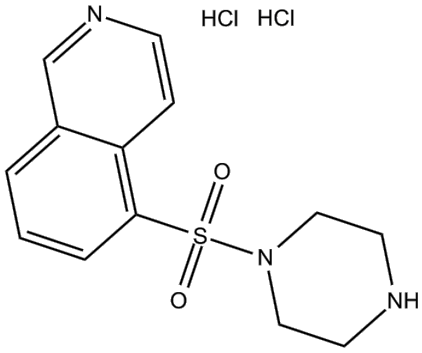
Certificate of Analysis

Product Name:	HA-100 (hydrochloride)
Cat. No.:	GC12461
Batch No.:	1
Chemical Name:	5-(1-piperazinylsulfonyl)-isoquinoline, dihydrochloride

PHYSICAL AND CHEMICAL PROPERTIES

Cas. No.:	210297-47-5
Molecular Formula:	$C_{13}H_{15}N_3O_2S \cdot 2HCl$
Molecular Weight:	350.3
Storage:	Store at -20°C
Chemical Structure:	

ANALYTICAL DATA

Appearance:	solid
HNMR:	Consistent with structure
HPLC:	Consistent with structure
Purity:	>98%
Conclusion:	The product has been tested and complies with the given specifications.

Caution: Product has not been fully validated for medical applications. For research use only.
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