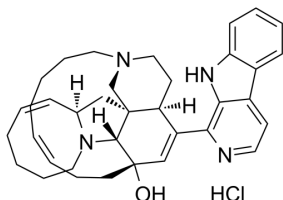


Certificate of Analysis

Product Name:	Manzamine A (hydrochloride)
Cat. No.:	CS-0179261
CAS No.:	104264-80-4
Batch No.:	107007
Chemical Name:	3H-2,7-[3]Octeno-1H-azocino[1',2':1,5]pyrrolo[2,3-i]isoquinolin-7(7aH)-ol, 4,4a,9,10,11,12,14a,15-octahydro-5-(9H-pyrido[3,4-b]indol-1-yl)-, hydrochloride (1:1), (2S,4aR,7S,7aR,14aR,15aR)

PHYSICAL AND CHEMICAL PROPERTIES

Molecular Formula:	C ₃₆ H ₄₅ N ₄ O
Molecular Weight:	585.22
Storage:	2-8°C, sealed storage, away from moisture and light
Chemical Structure:	



ANALYTICAL DATA

Appearance:	Light yellow to brown (Solid)
¹H NMR Spectrum:	Consistent with structure
MS:	Consistent with structure
Purity (HPLC):	99.29%
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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