

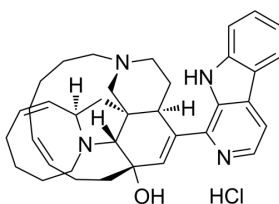
## Manzamine A (hydrochloride)

Cat. No.:	HY-117025A
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 <sub>36</sub> H <sub>45</sub> ClN <sub>4</sub> O
Molecular Weight:	585.22
Storage:	4°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)

### Chemical Structure:



### ANALYTICAL DATA

Appearance:	Off-white to light yellow (Solid)
<sup>1</sup> H 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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