## **Certificate of Analysis**

## Manzamine A (hydrochloride)

Cat. No.: HY-117025A CAS No.: 104264-80-4 Batch No.: 149110

**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,1

5-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:  $C_{36}H_{45}CIN_4O$ **Molecular Weight:** 585.22

4°C, sealed storage, away from moisture and light Storage:

\* In solvent: -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture and

**Chemical Structure:** 

## **ANALYTICAL DATA**

Appearance: Light yellow to brown (Solid)

Purity (HPLC):

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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