

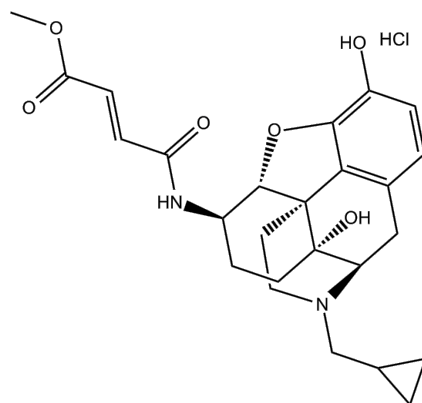
Certificate of Analysis

Product Name: β -Funaltrexamine hydrochloride
 Cat. No.: GC15938
 Batch No.: 2
 Chemical Name: (E)-methyl 4-(((4R,4aR,7R,7aR,12bR)-3-(cyclopropylmethyl)-4a,9-dihydroxy-2,3,4,4a,5,6,7,7a-octahydro-1H-4,12-methanobenzofuro[3,2-e]isoquinolin-7-yl)amino)-4-oxobut-2-enoate hydrochloride

PHYSICAL AND CHEMICAL PROPERTIES

Cas. No.: 72786-10-8
 Molecular Formula: $C_{25}H_{30}N_2O_6 \cdot HCl$
 Molecular Weight: 490.99
 Storage: Desiccate at $-20^{\circ}C$

Chemical Structure:



ANALYTICAL DATA

Appearance: A solid
 HNMR: Consistent with structure
 HPLC: Consistent with structure
 Purity: >95.00%
 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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