ProbeChem®
Expedite Your Scientific Research

# Certificate of Analysis

WWW.PROBECHEM.COM

Global Supplier of Chemical Probes, Inhibitors & Agonists.

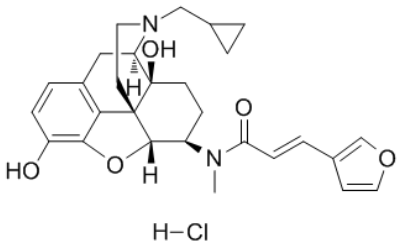
**Product Name** : Nalfurafine hydrochloride
**Cat. No.** : PC-43173
**CAS No.** : 152658-17-8
**Batch No.** : PC-4317301
**Chemical Name** : 2-Propenamide, N-[(5α,6β)-17-(cyclopropylmethyl)-4,5-epoxy-3,14-dihydroxymorphinan-6-yl]-3-(3-furanyl)-N-methyl-, hydrochloride (1:1), (2E)-

## PHYSICAL AND CHEMICAL PROPERTIES

**Molecular Weight** : 513.025
**Molecular Formula** : $C_{28}H_{33}ClN_2O_5$
**Storage** :

| | | |
|---|---|---|
| Powder | -20°C | 3 years |
| | 4°C | 2 years |
| In solvent | -80°C | 6 months |
| | -20°C | 1 month |

**Chemical Structure** :




## ANALYTICAL DATA

**Appearance** : Solid powder
**$^1$H NMR Spectrum** : Consistent with
**HPLC** : Consistent with
**NP** : Consistent with
**Purity (HPLC)** : >98%
**Conclusion** : The product has been tested and complies with the given specifications.

**Caution: Product has not been fully validated for medical applications. Lab Use Only!**

E-mail: tech@probechem.com