

Naloxone HCl, Opioid receptor antagonist

Catalog	Unit
TBI2442-100MG	100 mg
TBI2442-500MG	500 mg

Product Details

Formal Name: (5 α)-4,5-Epoxy-3,14-dihydro-17-(2-propenyl)morphinan-6-one hydrochloride

Molecular Formula: C₁₉H₂₁NO₄·HCl

Formula Weight: 363.84

CAS Number: 357-08-4

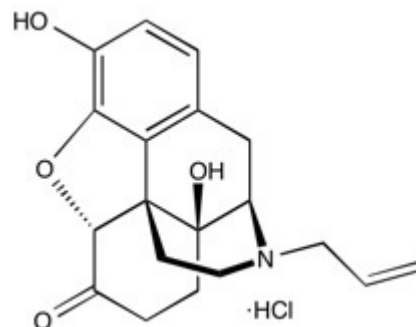
Purity: >98%

Formulation: powder

Solubility: Soluble in DMSO (up to 25 mg/ml) or in Water (up to 25 mg/ml).

Storage: -20°C

Stability: \geq 1 year.



Applications

Opioid receptor antagonist

Functions

Naloxone (357-08-4) is a pan-opioid receptor antagonist, $K_i=3.7, 9.2$ and 33 nM for m, k and d opioid receptors respectively. In clinical use in opiate abuse and overdose rescue. Blocks opiate- promoted wound healing. Attenuates the pruritic response to rimonabant in a rat model.

Application Procedures

First dissolved in DMSO (up to 25 mg/ml) or in Water (up to 25 mg/ml), then diluted to aqueous buffer. Solutions in DMSO or distilled water may be stored at -20°C for up to 2 months.

For research use only.