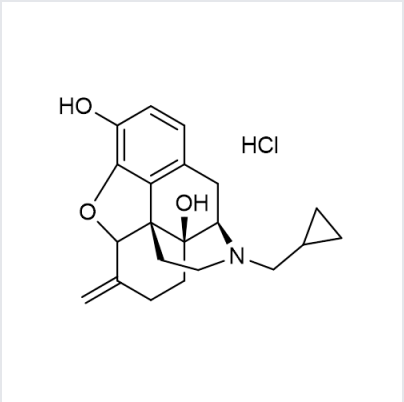
Nalmefene Small Molecule

PRODUCT OVERVIEW

Product Name	Nalmefene, Small Molecule
Full Product Name	Nalmefene HCl
Product Synonym Names	(5alpha)-17-(Cyclopropylmethyl)-4,5-epoxy-6-methylene-morphinan-3,14-diol, hydrochloride
Form/Format	White powder
Purity/Purification	>98% (HPLC); NMR (Conforms)
Preparation and Storage	Store at -20 degree C
Molecular Weight	375.9
Source	Synthetic
CAS No.	58895-64-0
PubChem CID	5388881
Solubility	May be dissolved in water (25mg/ml)
Molecular Formula	C21H25NO3- HCl
SMILES	C=C1CCC2(C3CC4=C5C2(C1OC5=C(C=C4)O)CCN3CC6CC6)O.Cl
InChI	1S/C21H25NO3.ClH/c1-12-6-7-21(24)16-10-14-4-5-15(23)18-17(14)20(21,19(12)25-18)8-9-22(16)11-13-2-3-13;/h4-5,13,16,19,23-24H,1-3,6-11H2;1H/t16-,19+,20+,21-;/m1./s1
InChI Key	GYWMRGWFQPSQLK-OPHZJPRHSA-N
Classification	Danger. Hazard Statements: H301 - H336 - H410Precautionary Statements: P261 - P264 - P270 - P271 - P273 - P301 + P311
Product Categories/Family for Nalmefene small molecule	Small Molecules
Related Product Information for Nalmefene small molecule	Opioid Receptor Antagonist An opiod antagonist with a very similar activity profile to naloxone, however, it displays slower onset and longer duration of action (1). It antagonizes the effects of salvinorin (2)(delta-agonist) as well as herkinorin (3)(mu-agonist). Has been used as a therapeutic for treatment of alcohol dependence (4).
Product References and Citations for Nalmefene small molecule	1.Osborn, M.D., et al. (201) Life Sci. 86:624.2. Butelman E.R., et al. (2009) J. Pharmacol. Exp. Ther. 328:588.3.Butelman E.R., et al. (2008) J. Pharmacol. Exp. Ther. 327:154.4.Soyka M., and Rosner S. (2008) Curr. Drug Abuse Rev. 1:280.
Other Notes	Small volumes of Nalmefene small molecule vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for Nalmefene purchase	MBS8006115 is a small molecule targeting Nalmefene. Also known as Nalmefene HCl.



Chemical Structure of Nalmefene small molecule
Chemical structure of Nalmefene HCl (MBS8006115), a Opioid Receptor Antagonist. CAS #: 58895-64-0. Molecular Formula: C21H25NO3 • HCl . Molecular Weight: 375.9 g/mol.

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

MyBioSource | Tel: +1.858.633.0165 | Fax: +1.858.633.0166 | mybiosource.com/contact-us
Online datasheet: https://www.mybiosource.com/small-molecule/nalmefene/8006115