

**Product Name:** *N*-Benzylnaltrindole hydrochloride

**Catalog No.:** 0754

**Batch No.:** 4

CAS Number: 1206487-81-1

IUPAC Name: 1'-Benzyl-17-(cyclopropylmethyl)-6,7-didehydro-4,5a-epoxy-3,14-dihydroxyindolo[2',3':6,7]morphinan hydrochloride

**1. PHYSICAL AND CHEMICAL PROPERTIES**

**Batch Molecular Formula:** C<sub>33</sub>H<sub>32</sub>N<sub>2</sub>O<sub>3</sub>.HCl.H<sub>2</sub>O

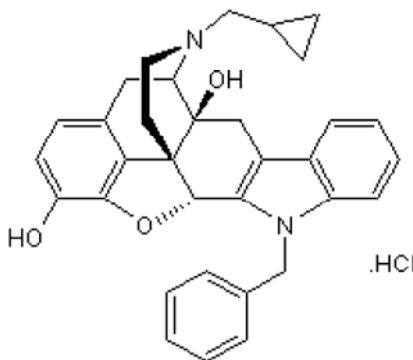
**Batch Molecular Weight:** 559.1052

**Physical Appearance:** White crystalline solid

**Solubility:** DMSO to 100 mM

**Storage:** Store at RT

**Batch Molecular Structure:**



**2. ANALYTICAL DATA**

**TLC:** R<sub>f</sub> = 0.24 (Dichloromethane:Methanol:Ammonia soln. [98:1:1])

**Melting Point:** Greater than 265°C(Dec)

**<sup>1</sup>H NMR:** Consistent with structure

**Microanalysis:**

	Carbon	Hydrogen	Nitrogen
Theoretical	70.89	6.31	5.01
Found	70.63	6.16	4.85

Caution - Not Fully Tested • Research Use Only • Not For Human or Veterinary Use

**Product Name:** N-Benzylnaltrindole hydrochloride

**Catalog No.:** 0754

**Batch No.:** 4

CAS Number: 1206487-81-1

IUPAC Name: 1'-Benzyl-17-(cyclopropylmethyl)-6,7-didehydro-4,5a-epoxy-3,14-dihydroxyindolo[2',3':6,7]morphinan hydrochloride

**Description:**

Potent  $\delta_2$ -selective opioid receptor antagonist with a long duration of action in vivo.

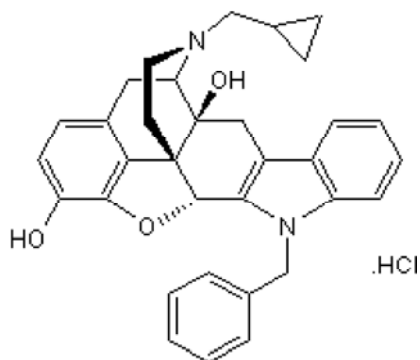
**Physical and Chemical Properties:**

Batch Molecular Formula: C<sub>33</sub>H<sub>32</sub>N<sub>2</sub>O<sub>3</sub>.HCl.H<sub>2</sub>O

Batch Molecular Weight: 559.1052

Physical Appearance: White crystalline solid

**Batch Molecular Structure:**



**Storage:** Store at RT

**Solubility & Usage Info:**

DMSO to 100 mM

**Stability and Solubility Advice:**

Some solutions can be difficult to obtain and can be encouraged by rapid stirring, sonication or gentle warming (in a 45-60°C water bath).

Information concerning product stability, particularly in solution, has rarely been reported and in most cases we can only offer a general guide. Our standard recommendations are:

**SOLIDS:** Provided storage is as stated on the product label and the vial is kept tightly sealed, the product can be stored for up to 6 months from date of receipt.

**SOLUTIONS:** We recommend that stock solutions, once prepared, are stored aliquoted in tightly sealed vials at -20°C or below and used within 1 month. Wherever possible solutions should be made up and used on the same day.

**References:**

Korlipara *et al* (1994) N-Benzylnaltrindoles as long acting  $\delta$ -opioid receptor antagonists. *J.Med.Chem.* **37** 1882. PMID: 8021928.

Caution - Not Fully Tested • Research Use Only • Not For Human or Veterinary Use

**bio-techne.com**

info@bio-techne.com

techsupport@bio-techne.com

**North America**

Tel: (800) 343 7475

**China**

info.cn@bio-techne.com

Tel: +86 (21) 52380373

**Europe Middle East Africa**

Tel: +44 (0)1235 529449

**Rest of World**

www.tocris.com/distributors

Tel:+1 612 379 2956