

Certificate of Analysis

Product Name: 3 α -Bis-(4-fluorophenyl) methoxytropane hydrochloride

Catalog No.: 0918

Batch No.: 1

CAS Number: 202646-03-5

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₂₁H₂₃F₂NO.HCl.H₂O

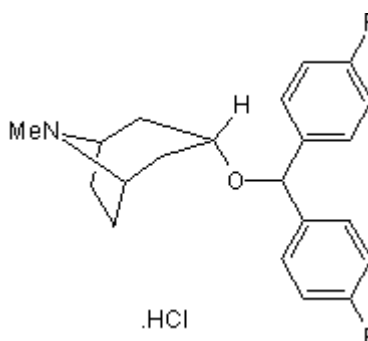
Batch Molecular Weight: 399.91

Physical Appearance: White solid

Solubility: DMSO to 100 mM

Storage: Store at RT

Batch Molecular Structure:



2. ANALYTICAL DATA

TLC: R_f = 0.3 (Dichloromethane:Methanol [9:1])

Melting Point: At 198°C

¹H NMR: Consistent with structure

Microanalysis:

	Carbon	Hydrogen	Nitrogen	Chlorine
Theoretical	63.07	6.55	3.5	8.87
Found	63.24	6.57	3.41	8.95

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

Product Name: 3 α -Bis-(4-fluorophenyl) methoxytropane hydrochloride **Catalog No.:** 0918 **Batch No.:** 1
CAS Number: 202646-03-5

Description:

Potent inhibitor of dopamine uptake and transport (K_i = 11.8 nM).

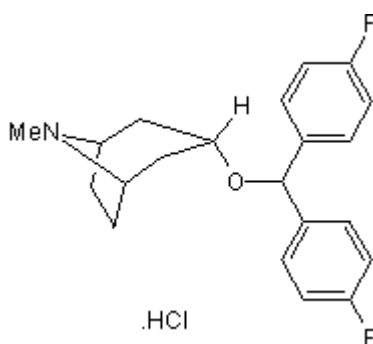
Physical and Chemical Properties:

Batch Molecular Formula: C₂₁H₂₃F₂NO.HCl.H₂O

Batch Molecular Weight: 399.91

Physical Appearance: White 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:

Newman et al (1994) Novel 3 α -(diphenylmethoxy)tropane analogs: potent dopamine uptake inhibitors without cocaine-like behavioural profiles. *J.Med.Chem.* **37** 2258. PMID: 8057273.

Newman et al (1995) Novel 4'-substituted and 4''-disubstituted 3 α -(diphenylmethoxy)tropane analogs as potent and selective dopamine uptake inhibitors. *J.Med.Chem.* **38** 3933. PMID: 7562926.

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