

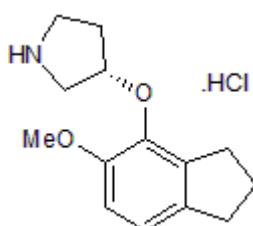
Certificate of Analysiswww.tocris.com**Product Name:** Org 37684**Catalog No.:** 4797**Batch No.:** 1

CAS Number: 213007-95-5

IUPAC Name: (3S)-3-[(2,3-Dihydro-5-methoxy-1H-inden-4-yl)oxy]pyrrolidine hydrochloride

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₁₄H₁₉NO₂·HCl
Batch Molecular Weight: 269.77
Physical Appearance: Off-white solid
Solubility: water to 50 mM
DMSO to 100 mM
ethanol to 100 mM
Storage: Desiccate at RT
Batch Molecular Structure:

**2. ANALYTICAL DATA**

TLC: R_f = 0.16 (Chloroform:Methanol:Ammonia soln. [9:1:0.1])
HPLC: Shows 99.8% purity
Chiral HPLC: Shows 98.4% purity
¹H NMR: Consistent with structure
Mass Spectrum: Consistent with structure
Microanalysis:

	Carbon	Hydrogen	Nitrogen
Theoretical	62.33	7.47	5.19
Found	62.04	7.4	5.23

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

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Product Information

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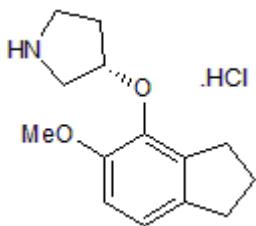
IUPAC Name: (3S)-3-[(2,3-Dihydro-5-methoxy-1*H*-inden-4-yl)oxy]pyrrolidine hydrochloride**Description:**

Agonist of 5-HT₂ receptors. Exhibits a rank order of potency of 5-HT_{2C} >5-HT_{2B} >5-HT_{2A} (pEC₅₀ values are 8.17, 7.96 and 7.11 respectively, in transfected CHO-K1 cells).

Physical and Chemical Properties:Batch Molecular Formula: C₁₄H₁₉NO₂.HCl

Batch Molecular Weight: 269.77

Physical Appearance: Off-white solid

Batch Molecular Structure:**Storage:** Desiccate at RT**Solubility & Usage Info:**

water to 50 mM
DMSO to 100 mM
ethanol 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:

Porter *et al* (1999) Functional characterization of agonists at recombinant human 5-HT_{2A}, 5-HT_{2B} and 5-HT_{2C} receptors in CHO-K1 cells. *Br.J.Pharmacol.* **128** 13. PMID: 10498829.

De Vry and Schreiber (2000) Effects of selected serotonin 5-HT₁ and 5-HT₂ receptor agonists on feeding behavior: possible mechanisms of action. *Neurosci.Biobehav.Rev.* **24** 341. PMID: 10781694.

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