

**Product Name:** Org 37684

**Catalog No.:** 4797

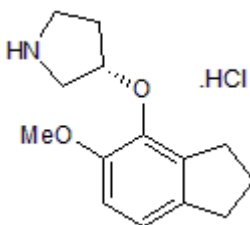
**Batch No.:** 1

CAS Number: 213007-95-5

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

**1. PHYSICAL AND CHEMICAL PROPERTIES**

**Batch Molecular Formula:** C<sub>14</sub>H<sub>19</sub>NO<sub>2</sub>.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<sub>f</sub> = 0.16 (Chloroform:Methanol:Ammonia soln. [9:1:0.1])  
**HPLC:** Shows 99.8% purity  
**Chiral HPLC:** Shows 98.4% purity  
**<sup>1</sup>H 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

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**Description:**

Agonist of 5-HT<sub>2</sub> receptors. Exhibits a rank order of potency of 5-HT<sub>2C</sub> > 5-HT<sub>2B</sub> > 5-HT<sub>2A</sub> (pEC<sub>50</sub> values are 8.17, 7.96 and 7.11 respectively, in transfected CHO-K1 cells).

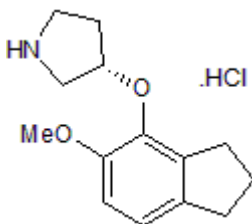
**Physical and Chemical Properties:**

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Physical Appearance: Off-white solid

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**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<sub>2A</sub>, 5-HT<sub>2B</sub> and 5-HT<sub>2C</sub> receptors in CHO-K1 cells. *Br.J.Pharmacol.* **128** 13. PMID: 10498829.

**De Vry and Schreiber** (2000) Effects of selected serotonin 5-HT<sub>1</sub> and 5-HT<sub>2</sub> receptor agonists on feeding behavior: possible mechanisms of action. *Neurosci.Biobehav.Rev.* **24** 341. PMID: 10781694.

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