

**Product Name:** 7-Hydroxy-DPAT hydrobromide

**Catalog No.:** 0706

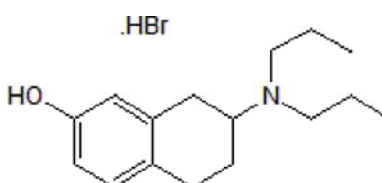
**Batch No.:** 3

CAS Number: 76135-30-3

IUPAC Name: (±)-7-Hydroxy-2-dipropylaminotetralin hydrobromide

**1. PHYSICAL AND CHEMICAL PROPERTIES**

**Batch Molecular Formula:** C<sub>16</sub>H<sub>25</sub>NO.HBr  
**Batch Molecular Weight:** 328.28  
**Physical Appearance:** White solid  
**Solubility:** DMSO to 100 mM  
**Storage:** Desiccate at +4°C  
**Batch Molecular Structure:**



**2. ANALYTICAL DATA**

**TLC:** R<sub>f</sub> = 0.2 (Dichloromethane:Methanol [9:1])  
**Melting Point:** Between 176 - 178°C  
**HPLC:** Shows 99% purity  
**<sup>1</sup>H NMR:** Consistent with structure  
**Mass Spectrum:** Consistent with structure

**Microanalysis:**

	Carbon	Hydrogen	Nitrogen
Theoretical	58.54	7.98	4.27
Found	58.4	7.98	4.27

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

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**Description:**

7-Hydroxy-DPAT hydrobromide is a D<sub>3</sub> dopamine receptor agonist (K<sub>i</sub> values are ~ 1, 10, 650 and ~ 5000 nM for D<sub>3</sub>, D<sub>2</sub>, D<sub>4</sub> and D<sub>1</sub> receptors respectively). 8-Hydroxy Isomer also available.

**Physical and Chemical Properties:**

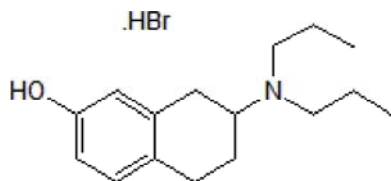
Batch Molecular Formula: C<sub>16</sub>H<sub>25</sub>NO.HBr

Batch Molecular Weight: 328.28

Physical Appearance: White solid

**Minimum Purity:** ≥99%

**Batch Molecular Structure:**



**Storage:** Desiccate at +4°C

**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:**

**Levesque** (1996) Aminotetralin drugs and D<sub>3</sub> receptor functions. *Biochem.Pharmacol.* **52** 511. PMID: 8759022.

**Seeman and Van Tol** (1994) DA receptor pharmacology. *TIPS* **15** 264. PMID: 7940991.

**Daly and Waddington** (1993) Behavioural effects of the D<sub>3</sub> DA receptor agonist 7-OH-DPAT in relation to other D<sub>2</sub>-like agonists. *Neuropharmacology* **32** 509. PMID: 8321432.

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