

**Product Name:** Citalopram - d<sub>4</sub> hydrobromide

**Catalog No.:** 5534

**Batch No.:** 1

CAS Number: 1219803-58-3

IUPAC Name: 1-[3-(Dimethylamino)propyl]-1-(4-fluorophenyl-d<sub>4</sub>)-1,3-dihydro-5-isobenzofurancarbonitrile hydrobromide

## 1. PHYSICAL AND CHEMICAL PROPERTIES

**Batch Molecular Formula:** C<sub>20</sub>H<sub>17</sub>D<sub>4</sub>FN<sub>2</sub>O.HBr

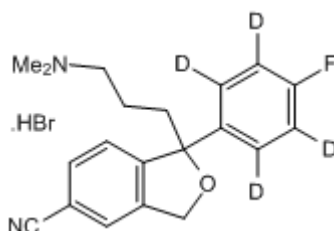
**Batch Molecular Weight:** 409.33

**Physical Appearance:** White solid

**Solubility:** ethanol to 50 mM  
water to 10 mM

**Storage:** Store at RT

**Batch Molecular Structure:**



## 2. ANALYTICAL DATA

**Isotopic Purity:** 99.2% D

**HPLC:** Shows 97.7% purity

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

**Mass Spectrum:** Consistent with structure

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

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**Description:**

Deuterated citalopram (Cat. No. 1427).

**Physical and Chemical Properties:**

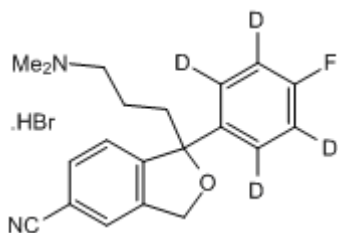
Batch Molecular Formula: C<sub>20</sub>H<sub>17</sub>D<sub>4</sub>FN<sub>2</sub>O.HBr

Batch Molecular Weight: 409.33

Physical Appearance: White solid

**Minimum Purity:** >97%

**Batch Molecular Structure:**



**Storage:** Store at RT

**Solubility & Usage Info:**

ethanol to 50 mM

water to 10 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.

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