

**Product Name:** Olanzapine - d<sub>8</sub>

**Catalog No.:** 5542

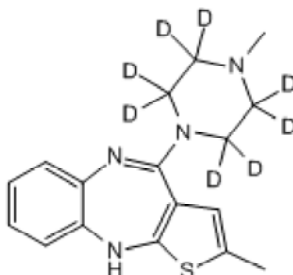
**Batch No.:** 1

CAS Number: 1093380-13-2

IUPAC Name: 2-Methyl-4-(4-methyl-1-piperazinyl-2,2,3,3,5,5,6,6-d<sub>8</sub>)-10H-thieno[2,3-b][1,5]benzodiazepine

## 1. PHYSICAL AND CHEMICAL PROPERTIES

<b>Batch Molecular Formula:</b>	C <sub>17</sub> H <sub>12</sub> D <sub>8</sub> N <sub>4</sub> S
<b>Batch Molecular Weight:</b>	320.49
<b>Physical Appearance:</b>	White solid
<b>Solubility:</b>	ethanol to 10 mM DMSO to 100 mM 1eq. HCl to 100 mM
<b>Storage:</b>	Store at +4°C
<b>Batch Molecular Structure:</b>	



## 2. ANALYTICAL DATA

<b>Isotopic Purity:</b>	98.8% D
<b>HPLC:</b>	Shows 99.5% purity
<b><sup>1</sup>H NMR:</b>	Consistent with structure
<b>Mass Spectrum:</b>	Consistent with structure

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

**bio-techne.com**

info@bio-techne.com

techsupport@bio-techne.com

**North America**

Tel: (800) 343 7475

**China**

info.cn@bio-techne.com

Tel: +86 (21) 52380373

**Europe Middle East Africa**

Tel: +44 (0)1235 529449

**Rest of World**

www.tocris.com/distributors

Tel: +1 612 379 2956

**Product Name:** Olanzapine - d<sub>8</sub>

**Catalog No.:** 5542

**Batch No.:** 1

CAS Number: 1093380-13-2

IUPAC Name: 2-Methyl-4-(4-methyl-1-piperazinyl-2,2,3,3,5,5,6,6-d<sub>8</sub>)-10H-thieno[2,3-b][1,5]benzodiazepine

**Description:**

Deuterated olanzapine. Olanzapine also available.

**Physical and Chemical Properties:**

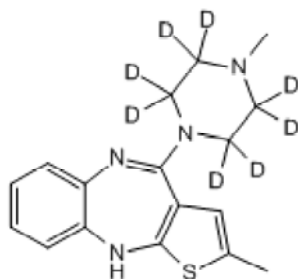
Batch Molecular Formula: C<sub>17</sub>H<sub>12</sub>D<sub>8</sub>N<sub>4</sub>S

Batch Molecular Weight: 320.49

Physical Appearance: White solid

**Minimum Purity:** >98%

**Batch Molecular Structure:**



**Storage:** Store at +4°C

**Solubility & Usage Info:**

ethanol to 10 mM

DMSO to 100 mM

1eq. HCl 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.

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

**bio-techne.com**

info@bio-techne.com

techsupport@bio-techne.com

**North America**

Tel: (800) 343 7475

**China**

info.cn@bio-techne.com

Tel: +86 (21) 52380373

**Europe Middle East Africa**

Tel: +44 (0)1235 529449

**Rest of World**

www.tocris.com/distributors

Tel:+1 612 379 2956