

# Olanzapine

**Catalog No: tcsc1114**



## Available Sizes

**Size:** 50mg

**Size:** 100mg

**Size:** 500mg



## Specifications

**CAS No:**

132539-06-1

**Formula:**

$C_{17}H_{20}N_4S$

**Pathway:**

Autophagy;Neuronal Signaling;GPCR/G Protein;Autophagy

**Target:**

Autophagy;5-HT Receptor;5-HT Receptor;Mitophagy

**Purity / Grade:**

>98%

**Solubility:**

DMSO : 20 mg/mL (64.01 mM; Need ultrasonic)

**Alternative Names:**

LY170053

**Observed Molecular Weight:**

312.43

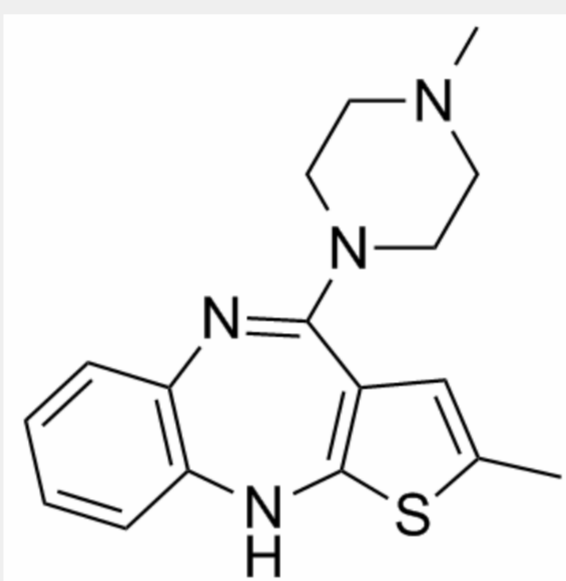
## Product Description

Olanzapine(LY170053) is a high affinity for 5-HT<sub>2</sub> serotonin and D<sub>2</sub> dopamine receptor antagonist.

IC<sub>50</sub> Value:

Target: 5-HT Receptor

Olanzapine is a thienobenzodiazepine that blocks especially the serotonin (5-hydroxytryptamine [5-HT]) 5-HT<sub>2A</sub> and the dopamine D<sub>2</sub> receptors (K<sub>i</sub> values are 4 and 11 nM respectively) as well as muscarinic (M<sub>1</sub>), histamine (H<sub>1</sub>), 5-HT<sub>2C</sub>, 5-HT<sub>3</sub> to 5-HT<sub>6</sub>, adrenergic ( $\alpha$ (I)), and D<sub>4</sub> receptors. Atypical antipsychotic for the treatment of schizophrenia. Olanzapine displays anticholinergic properties.



All products are for RESEARCH USE ONLY. Not for diagnostic & therapeutic purposes!