

# Aripiprazole

## Catalog No: tcsc0766



### Available Sizes

**Size:** 100mg

**Size:** 200mg

**Size:** 500mg

**Size:** 1g



### Specifications

**CAS No:**

129722-12-9

**Formula:**

$C_{23}H_{27}Cl_2N_3O_2$

**Pathway:**

Neuronal Signaling;GPCR/G Protein

**Target:**

5-HT Receptor;5-HT Receptor

**Purity / Grade:**

>98%

**Solubility:**

DMSO :  $\geq 150$  mg/mL (334.53 mM)

**Alternative Names:**

OPC-14597

**Observed Molecular Weight:**

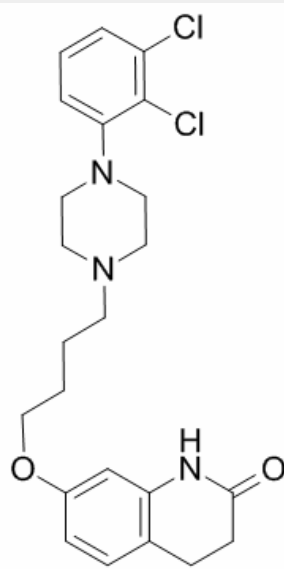
448.39

## Product Description

Aripiprazole (OPC-14597) is a human 5-HT<sub>1A</sub> receptor partial agonist with a K<sub>i</sub> of 4.2 nM.

IC<sub>50</sub> & Target: K<sub>i</sub>: 4.2 nM(5-HT Receptor)<sup>[1]</sup>.

***In Vitro:*** Aripiprazole (OPC-14597) is an atypical antipsychotic medication used for the treatment of schizophrenia. Aripiprazole (OPC-14597) appears to mediate its antipsychotic effects primarily by partial agonism at the D<sub>2</sub> receptor. In addition to partial agonist activity at the D<sub>2</sub> receptor, Aripiprazole (OPC-14597) is also a partial agonist at the 5-HT<sub>1A</sub> receptor, and like the other atypical antipsychotics, aripiprazole displays an antagonist profile at the 5-HT<sub>2A</sub> receptor. Aripiprazole (OPC-14597) has moderate affinity for histamine and alpha adrenergic receptors, and no appreciable affinity for cholinergic muscarinic receptors.



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