

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 : ≥ 150 mg/mL (334.53 mM)

Alternative Names:

OPC-14597

Observed Molecular Weight:

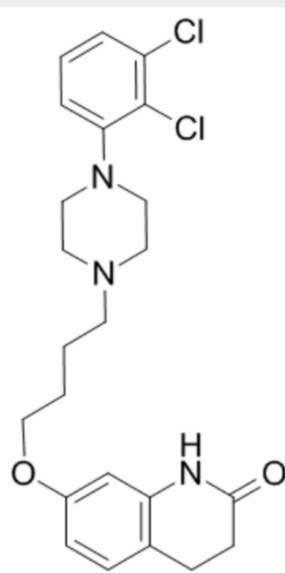
448.39

Product Description

Aripiprazole (OPC-14597) is a human 5-HT_{1A} receptor partial agonist with a K_i of 4.2 nM.

IC₅₀ & Target: K_i: 4.2 nM(5-HT Receptor)^[1].

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 D₂ receptor. In addition to partial agonist activity at the D₂ receptor, Aripiprazole (OPC-14597) is also a partial agonist at the 5-HT_{1A} receptor, and like the other atypical antipsychotics, aripiprazole displays an antagonist profile at the 5-HT_{2A} receptor. Aripiprazole (OPC-14597) has moderate affinity for histamine and alpha adrenergic receptors, and no appreciable affinity for cholinergic muscarinic receptors.



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