

# Vilazodone (Hydrochloride)

Catalog No: tcsc0549



## Available Sizes

**Size:** 10mg

**Size:** 50mg



## Specifications

**CAS No:**

163521-08-2

**Formula:**

$C_{26}H_{28}ClN_5O_2$

**Pathway:**

Neuronal Signaling; Neuronal Signaling; GPCR/G Protein

**Target:**

Serotonin Transporter; 5-HT Receptor; 5-HT Receptor

**Purity / Grade:**

>98%

**Solubility:**

DMSO : 25 mg/mL (52.30 mM; Need ultrasonic)

**Alternative Names:**

EMD 68843; SB659746A

**Observed Molecular Weight:**

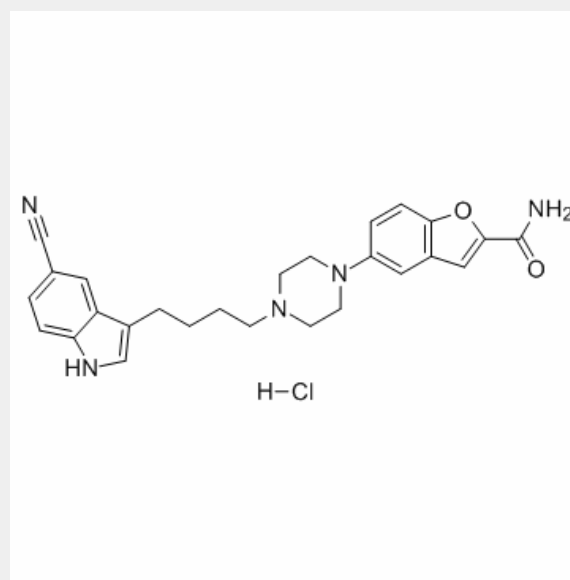
477.99

## Product Description

Vilazodone Hydrochloride is a **serotonin** transporter (SER) inhibitor and **5-HT<sub>1A</sub>** receptor partial agonist.

IC50 & Target: SER; 5-HT<sub>1A</sub><sup>[1]</sup>.

***In Vivo:*** Administration of 5-HT<sub>1A</sub> receptor agonists produce a characteristic behavioral syndrome that includes changes in posture, hind limb reduction, head weaving, tremors, forepaw treading, and straub tail. In the rat ultrasonic vocalizations test, stress-induced vocalizations are inhibited by Vilazodone (55 mg/kg po) at 120 and 210 min post dose. Vilazodone (20-40 mg/kg ip), administered acutely or prophylactically (1 week prior to behavioral testing), attenuated stress induces potentiated startle but has no effect on stress potentiated anxiety response in the elevated plus maze. Interestingly, a lower dose of 10 mg/kg of Vilazodone has the opposite effect in the startle response, indicating a somewhat unexplained bidirectional effect, and all doses produce a potentiation of the startle-induced stress response possibly suggestive of an anxiogenic-like response<sup>[1]</sup>. Vilazodone also represents another option for the treatment of MDD<sup>[2]</sup>.



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