

# LX-1031

**Catalog No: tcsc0452**



## Available Sizes

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**Size:** 2mg

**Size:** 5mg

**Size:** 10mg

**Size:** 25mg

**Size:** 50mg

**Size:** 100mg



## Specifications

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**CAS No:**

945976-76-1

**Formula:**

$C_{28}H_{25}F_3N_4O_4$

**Pathway:**

Metabolic Enzyme/Protease

**Target:**

Tryptophan Hydroxylase

**Purity / Grade:**

>98%

**Solubility:**

DMSO :  $\geq 34$  mg/mL (63.14 mM)

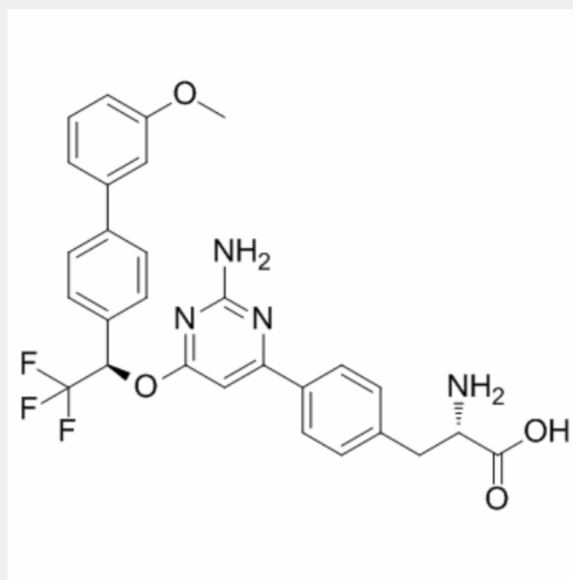
**Observed Molecular Weight:**

538.52

## Product Description

LX-1031 is a potent, orally available **tryptophan 5-hydroxylase (TPH)** inhibitor that reduces serotonin (5-HT) synthesis peripherally.

**In Vivo:** With oral administration of LX-1031 in mice, the average 5-HT reductions in the jejunum relative to control are approx 33, 51, and 66% with the 15, 45 and 135 mg/kg/day doses respectively. In a preliminary report, the effects of LX-1031, 100 mg/kg daily, on 5-HT levels in jejunal mucosa are reversible within 2 days of discontinuation in mice<sup>[1]</sup>. LX-1031 dose-dependently reduces expression of 5-HT in the duodenum, jejunum and ileum, but has no effect on brain 5-HT levels in preclinical assay<sup>[2]</sup>.



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