

LX-1031

Catalog No: tcsc0452



Available Sizes

Size: 2mg

Size: 5mg

Size: 10mg

Size: 25mg

Size: 50mg

Size: 100mg



Specifications

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 : ≥ 34 mg/mL (63.14 mM)

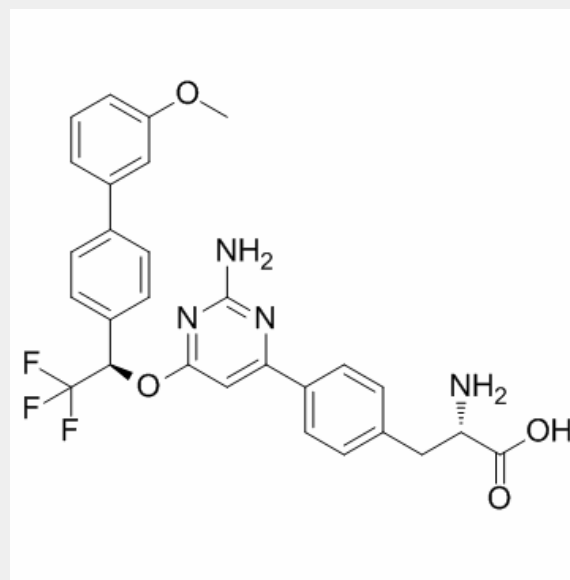
Observed Molecular Weight:

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 appr 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^[1]. 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^[2].



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