Product Name: LX-1031
Cat. No.: PC-43351
CAS No.: 945976-76-1
Molecular Formula: C_{28}H_{25}F_{3}N_{4}O_{4}
Molecular Weight: 538.5177
Target: Tryptophan Hydroxylase (TPH)
Solubility: DMSO: ≥ 34 mg/mL

Biological Activity

LX-1031 is a potent, orally active tryptophan 5-hydroxylase (TPH) inhibitor with potency of 10-100 nM, reduces 5-HT synthesis peripherally, dose-dependently reduces expression of 5-HT in the duodenum, jejunum and ileum, but had no effect on brain 5-HT levels, significantly reduces urinary 5-hydroxyindoleacetic acid (5-HIAA) in vivo; exhibits potential for illnesses characterized by excess 5-HT, such as diarrhea-predominant irritable bowel syndrome (IBS-D) and carcinoid diarrhea.

Irritable Bowel Syndrome
Phase 2 Discontinued

References


Caution: Product has not been fully validated for medical applications. Lab Use Only!
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