

Telotristat ethyl

Catalog No: tcsc2311



Available Sizes

Size: 5mg

Size: 10mg

Size: 50mg



Specifications

CAS No:

1033805-22-9

Formula:

$C_{27}H_{26}ClF_3N_6O_3$

Pathway:

Metabolic Enzyme/Protease

Target:

Tryptophan Hydroxylase

Purity / Grade:

>98%

Solubility:

DMSO : ≥ 101.5 mg/mL (176.53 mM)

Alternative Names:

LX1606

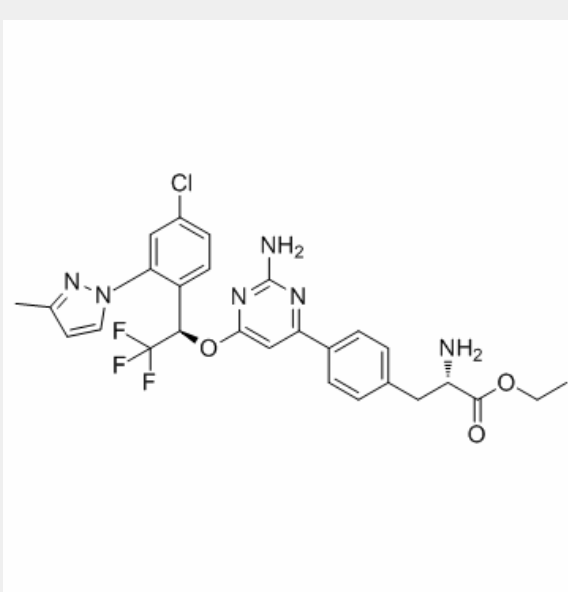
Observed Molecular Weight:

574.98

Product Description

Telotristat ethyl (LX1606) is a novel, orally-delivered inhibitor of **tryptophan hydroxylase** that reduces serotonin production.

In Vivo: Telotristat ethyl (15, 50, 150, 300 mg/kg, po, qd) reduces serotonin content in the periphery, but not in the brain of the mice. Telotristat ethyl (200 mg/kg po, qd) prevents the increase in blood neutrophil counts that is observed after TNBS challenge, provides significant protection in a mouse model of inflammatory bowel disease. Telotristat ethyl (200 mg/kg po, qd) protects the mouse IBD model confirmed by histopathology evaluation^[1]. Telotristat ethyl (15, 50, 150, 300 mg/kg) depletes 5-HT from the jejunum but not the brain. But Telotristat ethyl (200 mg/kg, p.o.) does not deplete enteric neuronal serotonin (5-HT), or alter constitutive gastrointestinal motility in mice. Telotristat ethyl (200 mg/kg) alleviates the severity of trinitrobenzene sulfonic acid (TNBS)-induced colitis^[2].



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