

# Telaglenastat

## Catalog No: tcsc3393



### Available Sizes

**Size:** 5mg

**Size:** 10mg

**Size:** 50mg

**Size:** 100mg



### Specifications

**CAS No:**

1439399-58-2

**Formula:**

$C_{26}H_{24}F_3N_7O_3S$

**Pathway:**

Autophagy

**Target:**

Autophagy

**Purity / Grade:**

>98%

**Solubility:**

DMSO :  $\geq 30$  mg/mL (52.49 mM)

**Alternative Names:**

CB-839

**Observed Molecular Weight:**

571.57

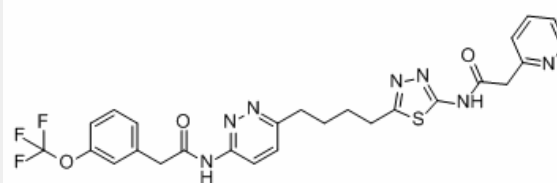
## Product Description

Telaglenastat (CB-839) is a potent and selective inhibitor of glutaminase with an **IC<sub>50</sub>** of less than 50 nM.

IC50 & Target: IC50: 23 nM (glutaminase in kidney), 28 nM (glutaminase in brain)<sup>[1]</sup>

**In Vitro:** Telaglenastat has increased potency and distinct kinetic behavior, exhibiting a slow-on/slow-off mechanism. Telaglenastat has a potent effect on the proliferation of HCC1806 and MDA-MB-231 cell lines (IC<sub>50</sub> of 20-55 nM associated with cell loss at >100 nM). TNBC cell lines are sensitive to glutaminase inhibition with Telaglenastat<sup>[1]</sup>.

**In Vivo:** Telaglenastat (200 mg/kg, p.o.) has antitumor activity in xenograft models of TNBC and basal-like breast cancer, and inhibits tumor glutaminase activity and changes metabolite levels<sup>[1]</sup>.



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