

# Roxadustat

**Catalog No: tcsc1094**



## Available Sizes

**Size:** 10mg

**Size:** 50mg

**Size:** 100mg

**Size:** 200mg

**Size:** 500mg

**Size:** 1g



## Specifications

**CAS No:**

808118-40-3

**Formula:**

$C_{19}H_{16}N_2O_5$

**Pathway:**

Metabolic Enzyme/Protease

**Target:**

HIF/HIF Prolyl-Hydroxylase

**Purity / Grade:**

>98%

**Solubility:**

DMSO :  $\geq 46$  mg/mL (130.56 mM)

**Alternative Names:**

FG-4592

**Observed Molecular Weight:**

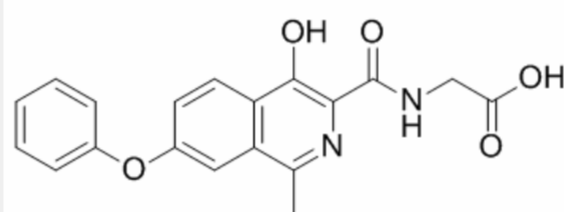
352.34

**Product Description**

Roxadustat (FG-4592) is an oral hypoxia-inducible factor (**HIF**) prolyl hydroxylase inhibitor developed for the treatment of anemia.

**In Vitro:** Roxadustat significantly increases accumulation of HIF-1 $\alpha$  and BNIP3, results in reduced TUNEL-positive photoreceptors 3 days after RD and an increased thickness of the outer nuclear layer 7 days after RD in the TUNEL-positive cells<sup>[1]</sup>. Roxadustat increases differentiation of adipose-derived mesenchymal stem cells (ADMSCs) under both hypoxia and normoxia<sup>[2]</sup>.

**In Vivo:** Roxadustat (25 mg/kg) enhances mitophagy and attenuates retinal histopathologic damage in the photoreceptor layer after RD in an RD animal model<sup>[1]</sup>.



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