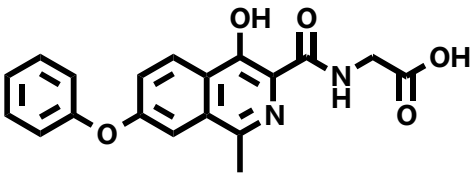
Xcess Biosciences Inc.
7144 N Harlem Ave #169
Chicago, IL 60631 USA

http://www.xcessbio.com
Toll free: 1-866-706-2330
Fax: 1-619- 810-0718
Email: info@xcessbio.com

HIF Prolyl-Hydroxylases Inhibitor - FG-4592 (Roxadustat)

Chemical Name: (4-hydroxy-1-methyl-7-phenoxyisoquinoline-3-carbonyl)glycine



Molecular Weight:	352.34
Formula:	$C_{19}H_{16}N_2O_5$
Purity:	≥98%
CAS#:	808118-40-3
Solubility:	DMSO up to 50 mM
Storage	Powder: 4°C 1 year DMSO: 4°C 3 month -20°C 1 year

Biological Activity:

FG-4592 (Roxadustat) is a potent, selective and bioavailable inhibitor of hypoxia-inducible factor prolyl hydroxylase. It is an analog of 2-oxoglutarate (2-OG) to inhibit HIF-PH and prevent HIF turnover. While little has been published regarding the actions of this compound, similar HIF-PH inhibitors suppress HIF degradation and in this way induce erythropoietin expression, promoting erythropoiesis or preventing anemia in vivo. Right now FG-4592 is in phase III clinical trials to treat anemia.

How to Use:

In vitro: FG-4592 was usually used at 10 μM final concentration in vitro.

In vivo: n/a

Reference:

1. Hsieh MM, et al. HIF prolyl hydroxylase inhibition results in endogenous erythropoietin induction, erythrocytosis, and modest fetal hemoglobin expression in rhesus macaques. (2007) Blood. 15;110(6):2140-7.

Products are for research use only. Not for human use.