

Product Name	: Roxadustat
Synonyms	: FG4592;FG-4592
Cat No.	: M16021
CAS Number	: 808118-40-3
Molecular Formula	: C ₁₉ H ₁₆ N ₂ O ₅
Formula Weight	: 352.34
Chemical Name	: Glycine, N-[(4-hydroxy-1-methyl-7-phenoxy-3-isoquinoliny)carbonyl]-
Description	Roxadustat (FG4592, FG-4592) is a potent, orally available HIF prolyl hydroxylase (HIF-PHD) with IC ₅₀ of 591.4 nM; FG-4592 stimulates erythropoiesis, regulates iron metabolism, and reduces hepcidin, demonstrates potential for treatment of anemia. Anemia Phase 3 Clinical
Pathway	: Angiogenesis
Target	: HIF/HIF Prolyl-hydroxylase
Receptor	: HIF-PH
Solubility	: DMSO: ≥ 46 mg/mL
SMILES	: <chem>O=C(O)CNC(C1=C(O)C2=C(C(C)=N1)C=C(OC3=CC=CC=C3)C=C2)=O</chem>
Storage	: (-20°C)
Stability	: ≥ 2 years
Reference	:

1. Besarab A, et al. J Am Soc Nephrol. 2016 Apr;27(4):1225-33. | 2. Wu Y, et al. J Med Chem. 2018 Jun 28;61(12):5332-5349. | 3. Provenzano R, et al. Clin J Am Soc Nephrol. 2016 Jun 6;11(6):982-91. | 4. Jain IH, et al. Science. 2016 Apr 1;352(6281):54-61.