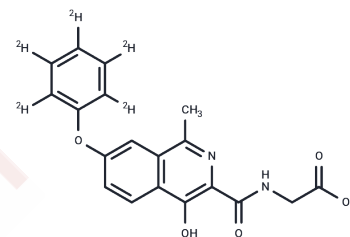


Roxadustat-D5

Chemical Properties

CAS No. :	2043026-13-5
Formula:	C ₁₉ H ₁₁ D ₅ N ₂ O ₅
Molecular Weight:	357.37
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



Biological Description

Description	Roxadustat-D5 is intended for use as an internal standard for the quantification of roxadustat by GC- or LC-MS. Roxadustat (T2515) is an inhibitor of hypoxia-inducible factor prolyl hydroxylase (HIF-PH; IC ₅₀ s = 1.4, 1.26, and 1.32 μM for HIF-PH1, HIF-PH2, and HIF-PH3, respectively). It is selective for HIF-PH over other 2-oxoglutarate-dependent dioxygenases, including lysine-specific demethylase 5A (KDM5A), KDM5B, -5C, -5D, and -6B (IC ₅₀ s = >100 μM for all). Roxadustat (T2515) (10-200 μM) stabilizes HIF-1α and HIF-2α in Hep3B hepatocellular carcinoma cells. It increases levels of secreted erythropoietin in Hep3B cells in a concentration-dependent manner and increases erythropoiesis in rats when administered at doses of 25 and 50 mg/kg. Roxadustat (T2515) reverses anemia in a rat model of chronic inflammation induced by peptidoglycan-polysaccharide, as well as a rat model of chronic kidney disease induced by 5/6 nephrectomy. It reduces tumor growth and increases survival in a murine Lewis lung carcin.....
Targets(IC50)	Ferroptosis,HIF/HIF Prolyl-Hydroxylase

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.7982 mL	13.9911 mL	27.9822 mL
5 mM	0.5596 mL	2.7982 mL	5.5964 mL
10 mM	0.2798 mL	1.3991 mL	2.7982 mL
50 mM	0.056 mL	0.2798 mL	0.5596 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481