

产品名称: **FG-2216**
 产品别名: **IOX3; YM311**

生物活性:

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Description	FG-2216 (IOX3; YM311) is a potent HIF-prolyl hydroxylase inhibitor with IC50 of 3.9 uM for PDH2 enzyme; orally bioavailable and induced significant and reversible Epo induction in vivo. IC50 value: 3.9 uM [1] Target: PDH inhibitor FG-2216 was orally bioavailable and induced significant and reversible Epo induction in vivo (82- to 309-fold at 60 mg/kg). Chronic oral dosing in male rhesus macaques was well tolerated, significantly increased erythropoiesis, and prevented anemia induced by weekly phlebotomy. Furthermore, modest increases in HbF-containing red cells and reticulocytes were demonstrated by flow cytometry, though significant increases in HbF were not demonstrated by high-pressure liquid chromatography (HPLC) [2].				
Solvent&Solubility	<i>In Vitro:</i> DMSO : ≥ 31 mg/mL (110.45 mM) * "≥" means soluble, but saturation unknown.				
		<div>Solvent / Mass Concentration</div>	1 mg	5 mg	10 mg
	Preparing Stock Solutions	1 mM	3.5630 mL	17.8151 mL	35.6303 mL
		5 mM	0.7126 mL	3.5630 mL	7.1261 mL
		10 mM	0.3563 mL	1.7815 mL	3.5630 mL
*请根据产品在不同溶剂中的溶解度选择合适的溶剂配制储备液，一旦配成溶液，请分装保存，避免反复冻融造成的产品失效。 储备液的保存方式和期限：-80℃, 6 months; -20℃, 1 month。-80℃ 储存时，请在 6 个月内使用，-20℃ 储存时，请在 1 个月内使用。					
References	[1]. Hong YR, et al. [(4-Hydroxyl-benzo[4,5]thieno[3,2-c]pyridine-3-carbonyl)-amino]-acetic acid derivatives; HIF prolyl 4-hydroxylase inhibitors as oral erythropoietin secretagogues. Bioorg Med Chem Lett. 2013 Nov 1;23(21):5953-7. [2]. Hsieh MM, et al. HIF prolyl hydroxylase inhibition results in endogenous erythropoietin induction, erythrocytosis, and modest fetal hemoglobin expression in rhesus macaques. Blood. 2007 Sep 15;110(6):2140-7.				