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产品名称: **6-(辛基氨基)-2,4(1H,3H)-嘧啶二酮**
产品别名: **6-OAU; GTPL5846**

生物活性:				
Description	6-OAU(GTPL5846; 6-n-octylaminouracil) is a surrogate agonist of GPR84; activates human GPR84 in the presence of Gqi5 chimera in HEK293 cells with an EC50 of 105 nM in the PI assay. IC50 value: 105 nM [1] Target: GPR84 agonist in vitro: 6-OAU increased [35S]GTPγS incorporated in Sf9 cell membranes expressing human GPR84-Gqi fusion protein with an EC50 of 512 nM. 6-OAU did not activate human GPR40 in HEK293 cells in the PI assay. Stimulation with 6.25 μm 6-OAU began to induce GPR84-EGFP internalization, and the extensive internalization was observed at 200 μm 6-OAU stimulation. In a Transwell assay, 3-OH-C12 and the surrogate agonist, 6-OAU, provoked chemotaxis of PMNs prepared from human peripheral blood in a concentration-dependent manner with an EC50 of 24.2 μm and 318 nm, respectively. In addition, 3-OH-C12 and 6-OAU increased the secretion of IL-8 from LPS-stimulated PMNs [1]. in vivo: Injection of 6-OAU suspension in 1% rat serum into the rat jugular vein (10 mg/kg) leads to the elevation of a chemokine, CXCL1 concentration in the serum peaking at 3 h after the injection. In the rat air pouch model, 6-OAU at 1 mg/ml dissolved in 0.3% BSA attracted both PMNs and macrophages into the air pouch, peaking at 4 h after 6-OAU inoculation [1].			
Solvent&Solubility	In Vitro: DMSO : 25 mg/mL (104.47 mM; Need ultrasonic) H₂O : < 0.1 mg/mL (insoluble)			
	Preparing Stock Solutions	Solvent Mass Concentration	1 mg	5 mg
		1 mM	4.1787 mL	20.8934 mL
		5 mM	0.8357 mL	4.1787 mL
		10 mM	0.4179 mL	2.0893 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]. Suzuki M, et al. Medium-chain fatty acid-sensing receptor, GPR84, is a proinflammatory receptor. J Biol Chem. 2013 Apr 12;288(15):10684-91.			