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产品名称: **CB30865**
产品别名: **ZM 242421**

生物活性:				
Description	CB30865(ZM 242421) is a potent inhibitor of Nampt , an enzyme present in the NAD biosynthetic pathway. IC50 value: Target: Nampt Cancer cells develop dependence on Nampt due to increased energy requirements and the elevated activity of NAD consuming enzymes such as sirtuins and mono and poly(ADP-ribose) polymerases (PARPs). These findings suggest new chemical starting points for Nampt inhibitors and further implicate this enzyme as a target in cancer.			
Solvent&Solubility	In Vitro: DMSO : 33.33 mg/mL (64.54 mM; Need ultrasonic) H₂O : < 0.1 mg/mL (insoluble)			
		Solvent Mass Concentration	1 mg	5 mg
	Preparing	1 mM	1.9365 mL	9.6826 mL
	Stock Solutions	5 mM	0.3873 mL	1.9365 mL
		10 mM	0.1937 mL	0.9683 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]. Lockman JW, et al. Analogues of 4-[(7-Bromo-2-methyl-4-oxo-3H-quinazolin-6-yl)methyl]prop-2-ynylamino]-N-(3-pyridylmethyl)benzamide (CB-30865) as potent inhibitors of nicotinamide phosphoribosyltransferase (Nampt). J Med Chem. 2010 Dec 23;53(24):8734-8746. [2]. Fleischer TC, et al. Chemical proteomics identifies Nampt as the target of CB30865, an orphan cytotoxic compound. Chem Biol. 2010 Jun 25;17(6):659-664. [3]. Bavetsias V, et al. The design and synthesis of water-soluble analogues of CB30865, a quinazolin-4-one-based antitumor agent. J Med Chem. 2002 Aug 15;45(17):3692-3702. [4]. Skelton LA, et al. Cell cycle effects of CB30865, a lipophilic quinazoline-based analogue of the antifolate thymidylate synthase inhibitor ICI 198583 with an undefined mechanism of action. Cytometry. 1998 Sep 1;33(1):56-66.			