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产品名称: **4H-Pyrrolo3,2-dpyrimidin-4-one,
7-(2S,3S,4R,5R)-3,4-dihydroxy-5-(hydroxymethyl)-2-pyrrolidinyl-1,5-dihydro-, monohydrochloride**
产品别名: 呋咯地辛盐酸盐; **Forodesine hydrochloride; BCX-1777; Immucillin-H hydrochloride**

生物活性:							
Description		Forodesine hydrochloride (BCX-1777) is a highly potent and specific purine nucleoside phosphorylase (PNP) inhibitor. Forodesine hydrochloride could induce apoptosis in leukemic cells of chronic lymphocytic leukemia patients by increasing the dGTP levels[1].					
IC ₅₀ & Target		PNP[1]					
In Vitro		Forodesine (10-30 μM; 24 and 48 hours; RPMI-8226, MOLT-4 and 5T33MM cells) treatment is partially inhibition of proliferation[1].					
		Forodesine (10-30 μM; 24 and 48 hours; RPMI-8226, MOLT-4 and 5T33MM cells) has no effect on the MM cells at 24 hours, while it could reduce the percentage of living cells in the MOLT-4 cells with 40%[1].					
		Cell Proliferation Assay[1]					
		Cell Line:	Human RPMI-8226, human MOLT-4 (T-ALL) cells, 5T33MM (Multiple myeloma, MM).				
		Concentration:	10 μM, 20 μM, 30 μM				
		Incubation Time:	24 and 48 hours				
		Result:	At the effects at 48 hours, a complete block in proliferation in the MOLT-4 cells and 15% reduction in the 5T33MM cells.				
Solvent&Solubility		In Vitro:					
		H ₂ O : 16.67 mg/mL (55.07 mM; Need ultrasonic)					
		DMSO : 16.67 mg/mL (55.07 mM; Need ultrasonic)					
		DMF : < 1 mg/mL (insoluble)					
		Preparing Stock Solutions	Solvent	Mass	1 mg	5 mg	10 mg
			Concentration				
1 mM	3.3035 mL		16.5175 mL	33.0349 mL			
	5 mM	0.6607 mL	3.3035 mL	6.6070 mL			
	10 mM	0.3303 mL	1.6517 mL	3.3035 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°C, 6 months; -20°C, 1 month。 -80°C 储存时, 请在 6 个月内使用, -20°C 储存时, 请在 1 个月内使用。					
References		[1]. Bieghs L, et al. The effects of forodesine in murine and human multiple myeloma cells. Adv Hematol. 2010;2010:131895.					