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产品名称: **AMZ30**
产品别名: **AMZ30**

生物活性:				
Description	AMZ30 is a selective, covalent inhibitors of protein phosphatase methylesterase-1(PME-1; IC50=600 nM); selectively inactivates PME-1 and reduces the demethylated form of PP2A in living cells. IC50 value: 600 nM [1] Target: PME-1 inhibitor in vitro: AMZ30 showed substantially improved inhibition of PME-1 (IC50 value of 600 nM) with more than 100-fold selectivity relative to other SHs in human cell lysates. Incubation of HEK 293T cells with a concentration range of AMZ30 generated an in situ IC50 value for PME-1 inhibition of 3.5 μ M as determined by gel-based ABPP without any observed cross-reactivity with other SHs even at 100 μ M compound. Treatment of HEK 293T cells stably overexpressing PME-1 with 28 (20 μ M) caused an ~80% reduction in the levels of demethylated PP2A [1].			
Solvent&Solubility	In Vitro: DMSO : 4.8 mg/mL (10.40 mM; Need ultrasonic and warming) H₂O : < 0.1 mg/mL (insoluble)			
	Preparing Stock Solutions	Solvent / Mass / Concentration	1 mg	5 mg
		1 mM	2.1671 mL	10.8356 mL
		5 mM	0.4334 mL	2.1671 mL
		10 mM	0.2167 mL	1.0836 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]. Bachovchin DA, et al. Discovery and optimization of sulfonyl acrylonitriles as selective, covalent inhibitors of protein phosphatase methylesterase-1. J Med Chem. 2011 Jul 28;54(14):5229-36.			