



上海源叶生物科技有限公司
Shanghai yuanye Bio-Technology Co., Ltd
电话: 021-61312973 传真: 021-55068248
网址: www.shyuanye.com
邮箱: shyyssw@sina.com

产品名称: **WAY-323062;SIRT2-IN-9**

CAS 号: **522650-91-5**

产品货号: **S89591**

生物活性:					
Description	SIRT2-IN-9 (compound 12) 是 SRIT2 的选择性抑制剂, IC50 值为 1.3 μM。SIRT2-IN-9 抑制 MCF-7 乳腺癌细胞的增殖活性。SIRT2-IN-9 可用于癌症的研究。				
IC50 & Target	SIRT2	SIRT1	SIRT3		
	1.3 μM (IC50)	> 300 μM (IC50)	> 300 μM (IC50)		
In Vitro	SIRT2-IN-9 (1-100 μM; 15 min) dose-dependently inhibits SRIT2 with an IC50 value of 1.3 μM, and inhibits SRIT1 and SRIT3 with IC50s >300 μM[1].				
	SIRT2-IN-9 (0-50 μM; 72 h) affects cell viability of MCF-7 cells[1].				
	SIRT2-IN-9 (0-50 μM; 6 h) affects acetylation of α-tubulin protein[1].				
	Cell Proliferation Assay[1]				
	Cell Line:	MCF-7 breast cancer cell line			
	Concentration:	0-50 μM			
	Incubation Time:	72 hours			
	Result:	Dose-dependently inhibited cell proliferation of MCF-7 breast cancer cells.			
	Western Blot Analysis[1]				
	Cell Line:	MCF-7 breast cancer cell line			
	Concentration:	6.25, 12.5, 25 and 50 μM			
	Incubation Time:	6 hours			
	Result:	Dose-dependently increased acetylation of 伪-tubulin protein.			
Solvent&Solubility	细胞实验:				
	DMSO 中的溶解度 : 4.46 mg/mL (10.17 mM; 超声助溶 (<70°C); 吸湿的 DMSO 对产品的溶解度有显著影响, 请使用新开封的 DMSO)				
	Preparing Stock Solutions	Solvent / Mass / Concentration	1 mg	5 mg	10 mg
		1 mM	2.2801 mL	11.4007 mL	22.8014 mL
		5 mM	0.4560 mL	2.2801 mL	4.5603 mL
		10 mM	0.2280 mL	1.1401 mL	2.2801 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 (protect from light)。-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。				
	参考文献				
	[1]. Yang SY, Li LL. The purposes of 5H- [1,2,4] triazine [5,6-b] indole derivatives of 3 substitutions.				