



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: shyysw@sina.com

产品名称: **SID 3712249**
产品别名: **MiR-544 Inhibitor 1**

生物活性:				
Description	SID 3712249 (MiR-544 Inhibitor 1) is an inhibitor of the biogenesis of microRNA-544 (miR-544). Target: MiR-544. MiR-544 represses expression of mTOR, promoting tumor cell survival in a hypoxic environment. Inhibition of miR-544 processing with MiR-544 Inhibitor 1 caused apoptosis in triple negative breast cancer cells in response to hypoxic stress, sensitized their response to 5-fluorouracil, and blocked their growth after transplantation into immunodeficient mice. SID 3712249 (MiR-544 Inhibitor 1) is believed to bind directly to the precursor miRNA, blocking production of the mature microRNA and resulting in decreased miR-544, HIF-1 α , and ATM transcripts. MiR-544 Inhibitor 1 was as selective and 25-fold more potent than a 2' -O-methyl RNA antagomir.			
Solvent&Solubility	In Vitro: DMSO : ≥ 30 mg/mL (92.76 mM) * "≥" means soluble, but saturation unknown.			
	Preparing Stock Solutions	Solvent / Mass / Concentration	1 mg	5 mg
		1 mM	3.0921 mL	15.4607 mL
		5 mM	0.6184 mL	3.0921 mL
		10 mM	0.3092 mL	1.5461 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]. Zhi Q, et al. Oncogenic miR-544 is an important molecular target in gastric cancer. Anticancer Agents Med Chem. 2013 Feb;13(2):270-5.			