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产品名称: ITX3
产品别名: ITX3

生物活性:				
Description	ITX3 is a specific and nontoxic inhibitor of the TrioN (N-terminal GEF domain of the multidomain Trio protein) with IC50 of 76 uM; inhibits TrioN-stimulated RhoG exchange in vitro. IC50 value: 76 uM [1] Target: TrioN inhibitor In transfected mammalian cells, ITX3 blocked TrioN-mediated dorsal membrane ruffling and Rac1 activation while having no effect on GEF337-, Tiam1-, or Vav2-mediated RhoA or Rac1 activation. ITX3 specifically inhibited endogenous TrioN activity, as evidenced by its ability to inhibit neurite outgrowth in nerve growth factor (NGF)-stimulated PC12 cells or C2C12 differentiation into myotubes [1]. ITX3 repressed the Rac1 activity and dose dependently up-regulated the E-cadherin protein level in the Tara-KD cells [2].			
Solvent&Solubility	In Vitro: DMSO : 1.43 mg/mL (3.85 mM; Need ultrasonic)			
		Solvent Mass Concentration	1 mg	5 mg
	Preparing	1 mM	2.6922 mL	13.4608 mL
	Stock Solutions	5 mM	---	---
		10 mM	---	---
*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]. Bouquier N, et al. A cell active chemical GEF inhibitor selectively targets the Trio/RhoG/Rac1 signaling pathway. Chem Biol. 2009 Jun 26;16(6):657-66. [2]. Yano T, et al. Tara up-regulates E-cadherin transcription by binding to the Trio RhoGEF and inhibiting Rac signaling. J Cell Biol. 2011 Apr 18;193(2):319-32.			