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产品名称: **Ezutromid**
产品别名: **SMT C1100; BMN 195; VOX-C1100**

生物活性:				
Description	Ezutromid is a novel Small utrophin's translation modulator with EC50 of 0.4 μ M . In vitro: 1) SMT C1100 induces increased levels of utrophin RNA in human muscle cells. 2) Treatment of human DMD cells with SMT C1100 lead to a 2-fold increase in utrophin protein levels at an optimal concentration of 0.3 μ M after 3 days of treatment. 3) SMT C1100 wassafe and well tolerated with plasma concentrations achieved suf cient to cause a 50% increase in concentrations of utrophin in cells. 4) SMT C1100 led to a 30% increase in Utrn mRNA level and resulted in a 2.0-fold increase in UTRN protein level . In vivo: 1)The reference for administration is 50 mg/kg. 2) it was considered that no toxicity was determined for SMT C1100 administered by oral gavage to the mouse up to dose levels of 2000 mg/kg/day for 28 days. Note: You can dissolve the products in phosphate buffered saline (PBS), 0.1% Tween-20, 5% DMSO)			
	In Vitro: DMSO : 10 mg/mL (29.64 mM; Need ultrasonic and warming)			
Solvent&Solubility	<div>Preparing Stock Solutions</div>	<div>Solvent / Mass / Concentration</div>	1 mg	5 mg
		1 mM	2.9639 mL	14.8196 mL
		5 mM	0.5928 mL	2.9639 mL
		10 mM	0.2964 mL	1.4820 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℃, 6 months; -20℃, 1 month。 -80℃ 储存时，请在 6 个月内使用，-20℃ 储存时，请在 1 个月内使用。			
References	[1]. Tinsley JM et al. Daily treatment with SMT C1100, a novel small molecule utrophin upregulator, dramatically reduces the dystrophic symptoms in the mdx mouse. PLoS One. 2011 May 6;6(5):e19189. [2]. Tinsley J et al. Safety, tolerability, and pharmacokinetics of SMT C1100, a 2-arylbenzoxazole utrophin modulator, following single- and multiple-dose administration to healthy male adult volunteers. J Clin Pharmacol. 2015 Jun;55(6):698-707. [3]. Guiraud S et al. Second-generation compound for the modulation of utrophin in the therapy of DMD. Hum Mol Genet. 2015 Aug 1;24(15):4212-24.			