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

生物活性:				
Description	<p>Ezutromid is a novel Small utrophin's translation modulator with EC50 of 0.4 μM . 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 μM 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</p>			
Solvent&Solubility	In Vitro:			
	DMSO : 10 mg/mL (29.64 mM; Need ultrasonic and warming)			
	Preparing	Solvent Mass Concentration	1 mg	5 mg
	Stock Solutions	1 mM	2.9639 mL	14.8196 mL
	5 mM	0.5928 mL	2.9639 mL	5.9279 mL
	10 mM	0.2964 mL	1.4820 mL	2.9639 mL
<p>*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。</p> <p>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。</p>				
References	<p>[1]. Tinsley JM et al. Daily treatment with SMTC1100, a novel small molecule utrophin upregulator, dramatically reduces the dystrophic symptoms in the mdx mouse. PLoS One. 2011 May 6;6(5):e19189.</p> <p>[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.</p> <p>[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.</p>			