

产品名称: LDN 193719

产品别名: ML347

生物活性:

Description	ML347(DN193719) is a highly selective ALK1/ALK2 inhibitor with IC50s of 46/32 nM; shows >300-fold selectivity for ALK2 vs. ALK3. IC50 value: Target: ALK1/ALK2 ML347 has IC50's of 46 and 32 nM, respectively, against ALK1 and ALK2; however, the IC50 against ALK3 is 10,800 nM, >300-fold selective over ALK3. ML347 is completely inactive against all the other kinases tested (with weak activity against ALK6, 9830 nM and KDR (VEGFR2)19,700 nM). ML347 is potent in the BMP4 cell assay (152 nM).				
Solvent&Solubility	In Vitro: DMSO : 6.2 mg/mL (17.59 mM; Need ultrasonic)				
	<div>Preparing Stock Solutions</div>	<div>SolventMass Concentration</div>	1 mg	5 mg	10 mg
		1 mM	2.8378 mL	14.1888 mL	28.3776 mL
		5 mM	0.5676 mL	2.8378 mL	5.6755 mL
		10 mM	0.2838 mL	1.4189 mL	2.8378 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℃, 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。</p>					
References	<p>[1]. Engers DW, et al. <u>Synthesis and structure-activity relationships of a novel and selective bone morphogenetic protein receptor (BMP) inhibitor derived from the pyrazolo[1.5-a]pyrimidine scaffold of dorsomorphin: the discovery of ML347 as an ALK2 versus ALK3 selective MLPCN probe.</u> <u>Bioorg Med Chem Lett.</u> 2013 Jun 1;23(11):3248-52.</p>				

源叶生物