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产品名称: **E3 ligase Ligand 2**

产品别名: **Thalidomide-OH ; Cereblon ligand 2**

生物活性:				
Description	Thalidomide-OH (Cereblon ligand 2) is the Thalidomide-based Cereblon ligand used in the recruitment of CRBN protein. Thalidomide-OH (Cereblon ligand 2) can be connected to the ligand for protein by a linker to form PROTACs[1].			
IC₅₀ & Target	Cereblon			
In Vitro	Thalidomide may exert anti-angiogenic effect in isolated blood vessels and endothelial cells. Thalidomide-OH is a putative hydroxylated thalidomide metabolite. Thalidomide-OH has weak anti-angiogenic activity (14% mean inhibition of blood vessel density at 100 mg). Thalidomide-OH does not have any anti-proliferative effect against the breast or neuroblastoma cells, but do possess appreciable anti-proliferative activity against the endothelial cells[1].			
Solvent&Solubility	<i>In Vitro:</i> DMSO : ≥ 36.5 mg/mL (133.10 mM) * "≥" means soluble, but saturation unknown.			
	Preparing Stock Solutions	Solvent	Mass	
		Concentration		
		1 mM	3.6466 mL	18.2329 mL
		5 mM	0.7293 mL	3.6466 mL
		10 mM	0.3647 mL	1.8233 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 (stored under nitrogen)。-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]. Marks MG, et al. Effects of putative hydroxylated thalidomide metabolites on blood vessel density in the chorioallantoic membrane (CAM) assay and on tumor and endothelial cell proliferation. Biol Pharm Bull. 2002 May;25(5):597-604.			