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产品名称: **ERB 041**

产品别名: **Prinaberel; 普林贝瑞**

生物活性:				
Description	Prinaberel(ERB-041) is a potent and selective ERbeta agonist; being >200-fold selective for ERbeta. IC50 value: Target: ERbeta agonist in vitro: Treatment with ERβ selective estrogen agonists liquiritigenin and ERB-041 reduced the ability to invade a reconstituted basement membrane and to migrate in response to the cellular stimulus [1]. Pretreatment the PMs with ERB-041 resulted in a significant inhibition of LPS-induced iNOS expression and NF-kappaB activation by preventing its nuclear translocation [3]. in vivo: Tumor numbers and volume were reduced by 60% and 84%, respectively, in the Erb-041-treated group as compared with UVB (alone) control. This inhibition in tumorigenesis was accompanied by the decrease in proliferating cell nuclear antigen (PCNA), cyclin D1, VEGF, and CD31, and an increase in apoptosis [2].			
Solvent&Solubility	In Vitro: DMSO : ≥ 40 mg/mL (147.47 mM) * "≥" means soluble, but saturation unknown.			
	<div>Preparing Stock Solutions</div>	<div>Solvent / Mass / Concentration</div>	1 mg	5 mg
		1 mM	3.6868 mL	18.4339 mL
		5 mM	0.7374 mL	3.6868 mL
		10 mM	0.3687 mL	1.8434 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]. Hinsche O, et al. Estrogen receptor β selective agonists reduce invasiveness of triple-negative breast cancer cells. Int J Oncol. 2015 Feb;46(2):878-84. [2]. Chaudhary SC, et al. Erb-041, an estrogen receptor-β agonist, inhibits skin photocarcinogenesis in SKH-1 hairless mice by downregulating the WNT signaling pathway. Cancer Prev Res (Phila). 2014 Feb;7(2):186-98. [3]. Xiu-li W, et al. ERB-041, a selective ER beta agonist, inhibits iNOS production in LPS-activated peritoneal macrophages of endometriosis via suppression of NF-kappaB activation. Mol Immunol. 2009 Jul;46(11-12):2413-8.			