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产品名称: **BHPI**
产品别名: **BHPI**

生物活性:				
Description	BHPI is a potent inhibitor of nuclear estrogen-ER α -regulated gene expression; elicits sustained ER α -dependent activation of the endoplasmic reticulum (EnR) stress sensor, the unfolded protein response (UPR), and persistent inhibition of protein synthesis. IC50 value: Target: ER α inhibitor BHPI is effective because it elicits sustained ER α -dependent activation of the endoplasmic reticulum (EnR) stress sensor, the unfolded protein response (UPR), and persistent inhibition of protein synthesis. BHPI distorts a newly described action of estrogen-ER α : mild and transient UPR activation. In contrast, BHPI elicits massive and sustained UPR activation, converting the UPR from protective to toxic. In ER α (+) cancer cells, BHPI rapidly hyperactivates plasma membrane PLC γ , generating inositol 1,4,5-triphosphate (IP3), which opens EnR IP3R calcium channels, rapidly depleting EnR Ca(2+) stores.			
	In Vitro: DMSO : $\geq$ 150 mg/mL (452.68 mM) * " $\geq$ " means soluble, but saturation unknown.			
Solvent&Solubility	Preparing Stock Solutions	SolventMass Concentration	1 mg	5 mg
		1 mM	3.0179 mL	15.0893 mL
		5 mM	0.6036 mL	3.0179 mL
		10 mM	0.3018 mL	1.5089 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. -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]. Andruska ND, et al. Estrogen receptor α inhibitor activates the unfolded protein response, blocks protein synthesis, and induces tumor regression. Proc Natl Acad Sci U S A. 2015 Apr 14;112(15):4737-42.			