



上海源叶生物科技有限公司
 Shanghai yuanye Bio-Technology Co., Ltd
 电话: 021-61312973 传真: 021-55068248
 网址: www.shyuanye.com
 邮箱: shyysw@sina.com

产品名称: **Phenol, 2-Methoxy-5-[[[(1E)-2-(2,4,6-triMethoxyphenyl)ethenyl]sulfonyl]Methyl]-, 1-(dihydrogen phosphate)**
 产品别名: **Briciclib; ON 014185**

生物活性:					
Description	Briciclib is a water soluble derivative of ON 013100, and has the potential in targeting eIF4E for solid cancers.				
IC₅₀ & Target	eIF4E[1]				
In Vitro	Briciclib has the potential in targeting eIF4E. Briciclib shows inhibitory activity against the proliferation of mantle cell leukemia (EKO-1 and MINO), breast (MCF7 and MDA-MB-231), gastric (AGS), and esophageal (OE19, OE33, and FLO-1) cancer cell lines with GI50s of 9.8-12.2 nM, and with no toxicity on normal endothelial cells. Briciclib dose-dependently reduces the expression of cyclin D1 and c-Myc in breast and MCL cancer cell lines within 8 hours[1].				
Solvent&Solubility	In Vitro: DMSO : ≥ 31 mg/mL (65.34 mM) * "≥" means soluble, but saturation unknown.				
		Solvent Mass Concentration	1 mg	5 mg	10 mg
	Preparing	1 mM	2.1078 mL	10.5392 mL	21.0784 mL
	Stock Solutions	5 mM	0.4216 mL	2.1078 mL	4.2157 mL
		10 mM	0.2108 mL	1.0539 mL	2.1078 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]. Neel Jasani, et al. Abstract 1649: Potent anticancer activity of an orally bioavailable small molecule, ON 013100, and its water soluble derivative, briciclib, a clinical-stage eIF4E-targeted agent. Cancer Research. August 2015, Volume 75, Issue 15.				