



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: **B-Raf inhibitor 1**
 产品别名: **B-Raf inhibitor 1**

生物活性:					
Description	B-Raf inhibitor 1 is a potent Raf kinase inhibitor with Kis of 1 nM, 1 nM, and 0.3 nM for B-RafWT, B-RafV600E, and C-Raf, respectively.				
IC₅₀ & Target	B-Raf	B-Raf ^{V600E}	c-Raf		
	1 nM (Ki)	1 nM (Ki)	0.3 nM (Ki)		
In Vitro	B-Raf inhibitor 1 (Compound 13) inhibits A375 and HCT-116 proliferation with IC50s of 0.31 and 0.72 μM, respectively. B-Raf inhibitor 1 (Compound 13) binds to and stabilizes B-Raf in a DFG-out, inactive conformation in which the ATP pocket is partially filled by Phe595 and Gly596 from the DFG motif. B-Raf inhibitor 1 (Compound 13) additionally exhibits low micromolar inhibition against wild type B-Raf cell lines, which may be due to off-target kinase activities or alternatively to pan-Raf inhibition, including Raf dimers[1].				
Solvent&Solubility	In Vitro: DMSO : ≥ 53 mg/mL (110.66 mM) * "≥" means soluble, but saturation unknown.				
		Solvent	Mass		
		Concentration	1 mg	5 mg	10 mg
	Preparing	1 mM	2.0879 mL	10.4397 mL	20.8794 mL
	Stock Solutions	5 mM	0.4176 mL	2.0879 mL	4.1759 mL
	10 mM	0.2088 mL	1.0440 mL	2.0879 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]. Wang X, et al. Conformation-specific effects of Raf kinase inhibitors. J Med Chem. 2012 Sep 13;55(17):7332-41.				