



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](http://www.shyuanye.com)  
邮箱: [shyysw@sina.com](mailto:shyysw@sina.com)

产品名称: **CTX-0294885**  
产品别名: **CTX-0294885**

生物活性:				
Description	CTX-0294885 is a novel bisanilino pyrimidine; exhibits inhibitory activity against a broad range of kinases in vitro, and further developed it into a Sepharose-supported kinase capture reagent. Target: Kinase capture reagent Use of a quantitative proteomics approach confirmed the selectivity of CTx-0294885-bound beads for kinase enrichment. Large-scale CTx-0294885-based affinity purification followed by LC-MS/MS led to the identification of 235 protein kinases from MDA-MB-231 cells, including all members of the AKT family that had not been previously detected by other broad-spectrum kinase inhibitors. Addition of CTx-0294885 to a mixture of three kinase inhibitors commonly used for kinase-enrichment increased the number of kinase identifications to 261, representing the largest kinome coverage from a single cell line reported to date. Coupling phosphopeptide enrichment with affinity purification using the four inhibitors enabled the identification of 799 high-confidence phosphosites on 183 kinases, ~ 10% of which were localized to the activation loop, and included previously unreported phosphosites on BMP2K, MELK, HIPK2, and PRKDC. Therefore, CTx-0294885 represents a powerful new reagent for analysis of kinome signaling networks that may facilitate development of targeted therapeutic strategies.			
Solvent&Solubility	<b>In Vitro:</b> <b>DMSO : ≥ 41 mg/mL (93.62 mM)</b>  * "≥" means soluble, but saturation unknown.			
	Preparing Stock Solutions	<div>Solvent Mass Concentration</div>	1 mg	5 mg
		1 mM	2.2835 mL	11.4173 mL
		5 mM	0.4567 mL	2.2835 mL
		10 mM	0.2283 mL	1.1417 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]. Zhang L, et al. Characterization of the novel broad-spectrum kinase inhibitor CTx-0294885 as an affinity reagent for mass spectrometry-based kinome profiling. J Proteome Res. 2013 Jul 5;12(7):3104-16.			