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

生物活性:																													
<b>Description</b>	<p>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.</p>																												
	<p><b>In Vitro:</b>  <b>DMSO : ≥ 41 mg/mL (93.62 mM)</b>            * "≥" means soluble, but saturation unknown.</p> <table border="1"> <thead> <tr> <th rowspan="2">Preparing Stock Solutions</th> <th>Solvent</th> <th>Mass</th> <th rowspan="2">1 mg</th> <th rowspan="2">5 mg</th> <th rowspan="2">10 mg</th> </tr> <tr> <th>Concentration</th> <th></th> </tr> </thead> <tbody> <tr> <td></td> <td>1 mM</td> <td></td> <td>2.2835 mL</td> <td>11.4173 mL</td> <td>22.8347 mL</td> </tr> <tr> <td></td> <td>5 mM</td> <td></td> <td>0.4567 mL</td> <td>2.2835 mL</td> <td>4.5669 mL</td> </tr> <tr> <td></td> <td>10 mM</td> <td></td> <td>0.2283 mL</td> <td>1.1417 mL</td> <td>2.2835 mL</td> </tr> </tbody> </table> <p>*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。</p>				Preparing Stock Solutions	Solvent	Mass	1 mg	5 mg	10 mg	Concentration			1 mM		2.2835 mL	11.4173 mL	22.8347 mL		5 mM		0.4567 mL	2.2835 mL	4.5669 mL		10 mM		0.2283 mL	1.1417 mL
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<b>References</b>	<p>[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.</p>																												