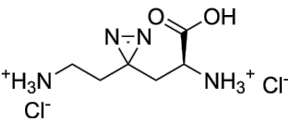


Photo-lysine hydrochloride

货号: **B26845**



产品信息

生物活性	Photo-lysine hydrochloride, a new lysine-based photo-reactive amino acid, captures proteins that bind lysine post-translational modifications.
CAS	
中文名称	
分子量	245.11
体外研究	<p>Photo-lysine is designed and synthesized by incorporating a photo-cross-linker (diazirine) into the side chain of natural lysine. Photo-lysine, which is readily incorporated into proteins by native mammalian translation machinery, can be used to capture and identify proteins that recognize lysine post-translational modifications (PTMs), including ‘readers’ and ‘erasers’ of histone modifications. Photo-lysine can be incorporated into MDH2 and mediate photo-cross-linking to fix protein-protein interactions in cells. UV irradiation of cells in the presence of photo-lysine induced robust cross-linking of HSP90β and HSP60. Photo-lysine has higher efficiency than photo-leucine for photo-cross-linking of the two chaperone proteins. Photo-lysine enables capture of the heterodimer of proteins Ku70 and Ku80 within a protein complex. Photo-lysine enables identification of histone- and chromatin-binding proteins.</p> <p>The accuracy of these methods have not been independently confirmed. They are for reference only.</p>
体内研究	
形式	Solid
运输条件	Room temperature in continental US; may vary elsewhere.
保存条件	4°C, protect from light, stored under nitrogen

溶解性	<p>In Vitro:</p> <p>H₂O : ≥ 40 mg/mL (163.19 mM)</p> <p>*"≥" means soluble, but saturation unknown.</p> <p>配制储备液</p> <table><tr><td>浓度</td><td>溶剂</td><td>体积</td><td>质量</td><td>1 mg</td><td>5 mg</td><td>10 mg</td></tr><tr><td>1 mM</td><td>4.0798 mL</td><td>20.3990 mL</td><td>40.7980 mL</td><td></td><td></td><td></td></tr><tr><td>5 mM</td><td>0.8160 mL</td><td>4.0798 mL</td><td>8.1596 mL</td><td></td><td></td><td></td></tr><tr><td>10 mM</td><td>0.4080 mL</td><td>2.0399 mL</td><td>4.0798 mL</td><td></td><td></td><td></td></tr></table> <p>*</p> <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。</p> <p>储备液的保存方式和期限：-80℃, 6 months; -20℃, 1 month (protect from light, stored under nitrogen)。-80℃ 储存时，请在 6 个月内使用，-20℃ 储存时，请在 1 个月内使用。</p>	浓度	溶剂	体积	质量	1 mg	5 mg	10 mg	1 mM	4.0798 mL	20.3990 mL	40.7980 mL				5 mM	0.8160 mL	4.0798 mL	8.1596 mL				10 mM	0.4080 mL	2.0399 mL	4.0798 mL			
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