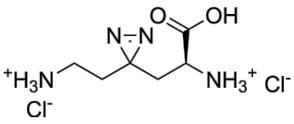
Photo-lysine hydrochloride

货号: AYB26845



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	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. **The accuracy of these methods have not been independently confirmed. They are for reference only.**
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	In Vitro: **H_2O : ≥ 40 mg/mL (163.19 mM)** *"≥" means soluble, but saturation unknown. 配制储备液 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 * 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 (protect from light, stored under nitrogen)。 -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。
纯度	≥98.0%