

产品名称：氮-琥珀星氮氨-3(2-吡啶二硫代)-酸酯

产品别名：SPDP Crosslinke; SPDP

生物活性：

Description	SPDP (SPDP Crosslinker) is a short-chain crosslinker for amine-to-sulfhydryl conjugation via NHS-ester and pyridyldithiol reactive groups that form cleavable (reducible) disulfide bonds with cysteine sulfhydryls. It is a glutathione cleavable ADC linker used for the antibody-drug conjugates (ADCs)[1][2].				
IC <sub>50</sub> & Target	Cleavable				
In Vitro	Equal amounts of anti-CD11c and anti-CTLA-4 Abs (in borate buffered saline; pH 8.5) are activated using SPDP.				
Solvent&Solubility	<b><i>In Vitro:</i></b> <b>DMSO : 155 mg/mL (496.22 mM; Need ultrasonic)</b>				
	<div>Preparing Stock Solutions</div>	<div>Solvent Concentration</div> <div>Mass</div>	1 mg	5 mg	10 mg
		1 mM	3.2014 mL	16.0072 mL	32.0143 mL
		5 mM	0.6403 mL	3.2014 mL	6.4029 mL
		10 mM	0.3201 mL	1.6007 mL	3.2014 mL
	<p><i>*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。</i></p> <p><i>储备液的保存方式和期限：-80℃, 6 months; -20℃, 1 month。 -80℃ 储存时，请在 6 个月内使用，-20℃ 储存时，请在 1 个月内使用。</i></p>				
References	<p>[1]. Lobedanz S et al. A periplasmic coiled-coil interface underlying TolC recruitment and the assembly of bacterial drug effluxpumps. Proc Natl Acad Sci U S A, 2007 Mar 13, 104(11):4612-7.</p> <p>[2]. Karumuthil-Melethil S et al. Dendritic cell-directed CTLA-4 engagement during pancreatic beta cell antigen presentation delays type 1diabetes. J Immunol 2010 Jun 15, 184(12):6695-708.</p>				

源叶生物