



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: **Glycine, N-(3,5-dibromo-4-Methylphenyl)-, 2-[(2-hydroxy-5-nitrophenyl)Methylene]hydrazide**  
产品别名: **L67; DNA Ligase Inhibitor**

生物活性:					
Description	L67 is a novel, competitive human DNA ligase inhibitor, inhibits DNA ligases I and III with IC50 of 10 μM and 10 μM. IC50 value: 10 μM [1] Target: DNA ligases in vitro: L67 significantly increases the cytotoxicity of DNA damaging agents.[1] L67 also inhibits cell proliferation. [2]				
Solvent&Solubility	<b>In Vitro:</b> <b>DMSO : ≥ 33 mg/mL (67.89 mM)</b> <b>H<sub>2</sub>O : &lt; 0.1 mg/mL (insoluble)</b>  * "≥" means soluble, but saturation unknown.				
	<div>Preparing</div> <div>Stock Solutions</div>	<div>Solvent / Mass / Concentration</div>	1 mg	5 mg	10 mg
		1 mM	2.0571 mL	10.2857 mL	20.5715 mL
		5 mM	0.4114 mL	2.0571 mL	4.1143 mL
		10 mM	0.2057 mL	1.0286 mL	2.0571 mL
<div>*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。</div> <div>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。</div>					
References	<div>[1]. Zhong S, et al. Identification and validation of human DNA ligase inhibitors using computer-aided drug design. J Med Chem. 2008 Aug 14;51(15):4553-4562.</div> <div>[2]. Chen X, et al. Rational design of human DNA ligase inhibitors that target cellular DNA replication and repair. Cancer Res. 2008 May 1;68(9):3169-3177.</div>				