

产品名称: **MK-886**

产品别名: **MK-886**

生物活性:

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|--------------------|---|---|-----------|------------|------------|
| Description | MK-886 (L 663536) is a 5-lipoxygenase-activating protein inhibitor and a leukotriene biosynthesis inhibitor (IC ₅₀ =2.5 nM). | | | | |
| Solvent&Solubility | <i>In Vitro:</i> | | | | |
| | DMSO : ≥ 32 mg/mL (67.79 mM) | | | | |
| | H ₂ O : < 0.1 mg/mL (insoluble) | | | | |
| | * "≥" means soluble, but saturation unknown. | | | | |
| | Preparing Stock Solutions | <div>Solvent / Mass Concentration</div> | 1 mg | 5 mg | 10 mg |
| | | 1 mM | 2.1183 mL | 10.5914 mL | 21.1828 mL |
| | | 5 mM | 0.4237 mL | 2.1183 mL | 4.2366 mL |
| | | 10 mM | 0.2118 mL | 1.0591 mL | 2.1183 mL |
| | <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°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> <p><i>In Vivo:</i></p> <p>请根据您的实验动物和给药方式选择适当的溶解方案。以下溶解方案都请先按照 In Vitro 方式配制澄清的储备液, 再依次添加助溶剂:</p> <p>——为保证实验结果的可靠性, 澄清的储备液可以根据储存条件, 适当保存; 体内实验的工作液, 建议您现用现配, 当天使用; 以下溶剂前显示的百分比是指该溶剂在您配制终溶液中的体积占比; 如在配制过程中出现沉淀、析出现象, 可以通过加热和/或超声的方式助溶</p> <div><p>1.请依序添加每种溶剂: 10% DMSO →90% corn oil</p><p>Solubility: ≥ 2.5 mg/mL (5.30 mM); Clear solution</p></div> | | | | |
| | References | <p>[1]. [1] Kehrer JP et al. Inhibition of peroxisome-proliferator-activated receptor (PPAR)alpha by MK886. <u>Biochem J.</u> 2001 Jun 15.</p> <p>[2]. [2] Gillard J et al. L-663,536 (MK-886) (3-[1-(4-chlorobenzyl)-3-t-butyl-thio-5-isopropylindol-2-yl]-2,2 - dimethylpropanoic acid), a novel, orally active leukotriene biosynthesis inhibitor. <u>Can J Physiol Pharmacol.</u> 1989 May;67(5):456-64.</p> <p>[3]. [3] Dixon RA et al. Requirement of a 5-lipoxygenase-activating protein for leukotriene synthesis. <u>Nature</u>, 1990 Jan 18, 343(6255):282-4. http://www.ncbi.nlm.nih.gov/pubmed/2300173</p> | | | |