产品名称：克利贝特
产品别名：**Clinofibrate**

## 生物活性：

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| **Description** | Clinofibrate (S-8527) is a hypelipidemic agent and a HMG-CoA reductase inhibitor. |
| **In Vivo** | Clinofibrate administration (50 and 100 mg/kg/day, p.o.) significantly inhibits the increase in plasma fibrinogen level as well as serum- and VLDL-LDL-lipids[1]. Clinofibrate significantly decreases the high plasma cholesterol level of atherosclerotic rats, which is 823±256 mg/dl, or about ten times that of control rats (85±11 mg/dl). On treatment with clinofibrate, the cholesterol level is reduced most in the very low density lipoprotein (VLDL) fraction[2]. In rats which are refed either a fat-free diet or a 5% fat diet after a 2-day fast. clinofibrate at 30 mg/kg results in reductions of serum and liver triglyceride levels[3]. Oral ingestion of S-8527 to normal rats for 7 days lowers serum triglycerides and cholesterol by about 27% at 1 mg/kg and 20% at 3 mg/kg, respectively. S-8527 at 3 mg/kg decreases liver triglyceride concentration by about 20%[4]. |
| **Solvent&Solubility** | ***In Vitro:***<br>**DMSO : ≥ 30 mg/mL (64.02 mM)**<br>* "≥" means soluble, but saturation unknown. |

**Preparing Stock Solutions**

| Solvent / Mass / Concentration | 1 mg | 5 mg | 10 mg |
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| 1 mM | 2.1341 mL | 10.6705 mL | 21.3411 mL |
| 5 mM | 0.4268 mL | 2.1341 mL | 4.2682 mL |
| 10 mM | 0.2134 mL | 1.0671 mL | 2.1341 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。-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。

**References**


[1]. Okazaki M, et al. Effects of clinofibrate on plasma fibrinogen level in high fructose diet-induced hyperlipidemic rats. In Vivo. 1994 Nov-Dec;8(6):1057-61.

[2]. Shirai K, et al. Effect of clinofibrate on lipid metabolism of aorta in atherosclerotic rats. Artery. 1983;12(3):145-55.

[3]. Suzuki K, et al. Effects of S-8527 (1,1-bis4'-(1"-carboxy'1"-methylpropoxy)-phenyl)-cyclohexane), a new hypolipidemic compound, on triglyceride metablolism in rats. Biochem Pharmacol. 1975 Jun 15;24(11-12):1203-7.

[4]. Suzuki K, et al. Hypolipidemic effect of a new aryloxy compound, S-8527, in experimental animals. Jpn J Pharmacol. 1974 Jun;24(3):407-14.


## 实验参考：

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| **Animal Administration** | Rats: Male Wistar rats weighing 100-160 g are used. S-8527 and clofibrate are suspended in an appropriate amount of 5 gum arabic solution so that the daily dose would be 0.5 mL per 100 g of body weight. The drugs are given to the rats via stomach tube every a.m. for 7 days. Control groups are on an equal volume of vehicle. During the experimental period, the animals are fed on a commercial chow pellet ad libitum. About 24 hr after the last dose, the rats are anesthetized with ether and blood samples are obtained from the inferior venacava. After sacrifice, the livers are |

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| | removed, washed with physiological saline, blotted on filter paper and weighed[4]. |
| **References** | [1]. Okazaki M, et al. Effects of clinofibrate on plasma fibrinogen level in high fructose diet-induced hyperlipidemic rats. In Vivo. 1994 Nov-Dec;8(6):1057-61.<br>[2]. Shirai K, et al. Effect of clinofibrate on lipid metabolism of aorta in atherosclerotic rats. Artery. 1983;12(3):145-55.<br>[3]. Suzuki K, et al. Effects of S-8527 (1,1-bis4'-(1"-carboxy'1"-methylpropoxy)-phenyl)-cyclohexane), a new hypolipidemic compound, on triglyceride metablolism in rats. Biochem Pharmacol. 1975 Jun 15;24(11-12):1203-7.<br>[4]. Suzuki K, et al. Hypolipidemic effect of a new aryloxy compound, S-8527, in experimental animals. Jpn J Pharmacol. 1974 Jun;24(3):407-14. |