

产品名称: (R)-Etomoxir sodium salt

产品别名: 乙莫克舍钠盐; Etomoxir sodium salt ; (R)-(+)-Etomoxir sodium salt

生物活性:				
Description	Etomoxir sodium salt ((R)-(+)-Etomoxir sodium salt) is an irreversible inhibitor of carnitine palmitoyltransferase 1a (CPT-1a), inhibits fatty acid oxidation (FAO) through CPT-1a and inhibits palmitate β -oxidation in human, rat and guinea pig.			
IC ₅₀ & Target	CPT-1a[2]			
Solvent&Solubility	In Vitro: H ₂ O : 80 mg/mL (249.42 mM; Need warming)			
	Preparing Stock Solutions	<div>Solvent / Mass / Concentration</div>	1 mg	5 mg
		1 mM	3.1178 mL	15.5890 mL
		5 mM	0.6236 mL	3.1178 mL
		10 mM	0.3118 mL	1.5589 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℃, 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。			
References	[1]. Agius L, et al. Differences between human, rat and guinea pig hepatocyte cultures. A comparative study of their rates of beta-oxidation and esterification of palmitate and their sensitivity to R-etomoxir. <u>Biochem Pharmacol. 1991 Oct 9;42(9):1711-5.</u> [2]. O'Connor RS, et al. The CPT1a inhibitor, etomoxir induces severe oxidative stress at commonly used concentrations. <u>Sci Rep. 2018 Apr 19;8(1):6289.</u>			

源叶生物