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产品名称：N-Acetylprocainamide
产品别名：乙酰卡尼 ；Acecainide; NAPA

生物活性：

Description	N-Acetylprocainamide is a class III antiarrhythmic, which blocks K^+ channels.
IC_{50} & Target	K^+ channel[1]
In Vitro	N-Acetylprocainamide is a K^+ blocker. N-Acetylprocainamide decreases the tensions induced by K^+ and methacholine. The pIC_{50} values for N-acetylprocainamide against the contractions induced by 0.3 and 1 μM methacholine are 2.80 ± 0.03 and 2.65 ± 0.02, respectively. And such a relaxant effect of N-Acetylprocainamide is inhibited by K^+ channel blockers[1]. N-Acetylprocainamide shows no effect on Na^+ absorption or Cl^- secretion[2].
Solvent&Solubility	***In Vitro:*** **DMSO : ≥ 150 mg/mL (540.81 mM)** * "≥" means soluble, but saturation unknown.

Preparing Stock Solutions

Solvent / Mass / Concentration	1 mg	5 mg	10 mg
1 mM	3.6054 mL	18.0271 mL	36.0542 mL
5 mM	0.7211 mL	3.6054 mL	7.2108 mL
10 mM	0.3605 mL	1.8027 mL	3.6054 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]. Nakahara T, et al. Role of K+ channels in N-acetylprocainamide-induced relaxation of bovine tracheal smooth muscle. Eur J Pharmacol. 2001 Mar 9;415(1):73-8.

[2]. Plass H, et al. Class I antiarrhythmics inhibit Na+ absorption and Cl- secretion in rabbit descending colon epithelium. Naunyn Schmiedebergs Arch Pharmacol. 2005 Jun;371(6):492-9.