
Product Data Sheet

Product Name: Prifuroline
Cat. No.: GC32584

Chemical Properties

Cas. No. 70833-07-7

SMILES CN(C)C1=NCC(C2=CC3=CC=CC=C3O2)C1

Formula C₁₄H₁₆N₂O M.Wt 228.29

Solubility Soluble in DMSO Storage Store at -20°C

General tips For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure

Background

Prifuroline is an antiarrhythmic agent.

Prifuroline is an antiarrhythmic agent. Prifuroline dose-dependently antagonizes the arrhythmogenic action of aconitine in rats, when administered either intravenously (5, 10 or 20 mg/kg) or intraduodenally (10, 20 or 50 mg/kg). Prifuroline also diminishes ventricular susceptibility to electrical stimulation in open-chest rats. The arrhythmias induced in dogs by coronary artery ligation are markedly antagonized by Prifuroline after doses of 5 and 10 mg/kg i.v. or 30 mg/kg intraduodenally. The duration of its antiarrhythmic activity in this model of arrhythmias in conscious dogs is much longer after intraduodenal than after i.v. administration[1].

[1]. Benharkate M, et al. Antiarrhythmic and hemodynamic effects of prifuroline. *Arzneimittelforschung*. 1986 Dec;36(12):1761-7.

Caution: Product has not been fully validated for medical applications. For research use only.

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