

Product Data Sheet

Product Name: Pilsicainide (hydrochloride)

Cat. No.: GC49193

Chemical Properties

Cas. No. 88069-49-2

SMILES O=C(CC12N(CCC2)CCC1)NC3=C(C)C=CC=C3C.Cl

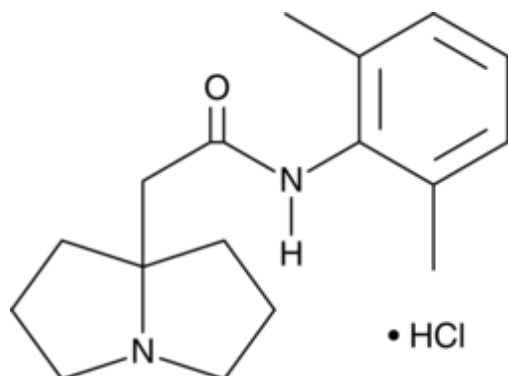
Formula C17H24N2O.HCl M.Wt 308.9

Solubility DMF: 20 mg/ml, DMSO: 25 mg/ml, Ethanol: 25 mg/ml, PBS (pH 7.2): 10 mg/ml
Storage -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 sizes: ship with RT, or blue ice upon request.

Structure



Background

Pilsicainide is a class Ic antiarrhythmic agent.^{1,2} It shortens action potential duration in canine Purkinje fibers, as well as increases the ratio of the effective refractory period to the duration of action potential in guinea pig atrial muscle strips, when used at a concentration of 10 µg/ml.¹ Pilsicainide (3-10 mg/kg) restores sinus rhythm in a canine model of ventricular multifocal arrhythmias.² It also suppresses arrhythmias induced by ouabain or halothane and epinephrine in dogs. Formulations containing pilsicainide have been used in the treatment of supraventricular and ventricular tachycardia.

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

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

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1. Hattori, Y., Inomata, N., Aisaka, K., et al. Electrophysiological actions of N-(2,6-dimethylphenyl)-8-pyrrolizidine-acetamide hydrochloride hemihydrate (SUN 1165), a new antiarrhythmic agent. *J. Cardiovasc. Pharmacol.* 8(5):998-1002 (1986)

2. Aisaka, K., Hidaka, T., Inomata, N., et al. N-(2,6-Dimethylphenyl)-8-pyrrolizidineacetamide hydrochloride hemihydrate (SUN 1165): A new potent and long-acting antiarrhythmic agent. *Arzneimittelforschung* 35(8):1239-1245 (1985)

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