

Product Data Sheet

Product Name: Carcainium chloride

Cat. No.: GC38067

Chemical Properties

Cas. No. 1042-42-8

SMILES O=C(NC1=CC=CC=C1)C[N+](C)(C)CC(NC2=CC=CC=C2)=O.[Cl-]

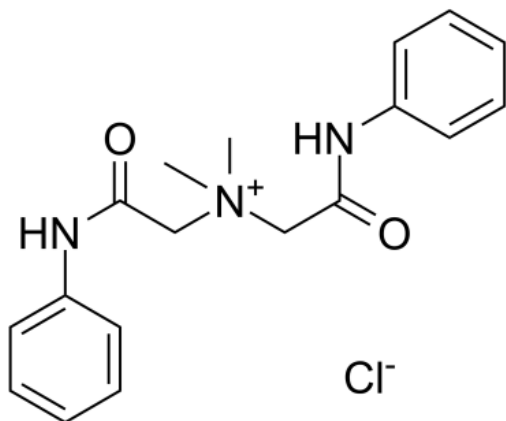
Formula $C_{18}H_{22}ClN_3O_2$ M.Wt 347.84

Solubility DMSO : 33.33 mg/mL (95.82 mM; ultrasonic and warming and heat to 60°C) 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

Carcainium chloride (QX 572) is a quaternary derivative of the local anesthetic Lidocaine. Antitussive effect[1][2].

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

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[1]. Lavorini F, et al. Antitussive effect of carcainium chloride in patients with chronic cough and idiopathic interstitial pneumonias: A pilot study. *Pulm Pharmacol Ther.* 2016 Oct;40:91-4. [2]. Adcock JJ, et al. RSD931, a novel anti-tussive agent acting on airway sensory nerves. *Br J Pharmacol.* 2003 Feb;138(3):407-16.

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