

Product Data Sheet

Product Name: Recainam

Cat. No.: GC72783

Chemical Properties

Cas. No. 74738-24-2

Formula $C_{15}H_{25}N_3O$ M.Wt 263.38

Solubility DMSO : 50 mg/mL (189.84 mM;
Need ultrasonic) 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 size: ship with RT , or blue ice upon request.

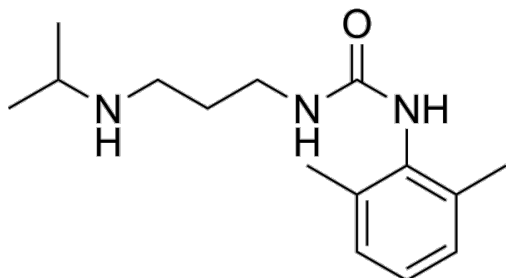
Caution: Product has not been fully validated for medical applications. For research use only.

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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Structure



Background

Racainam (Wy-42362) is an orally active anti-arrhythmic agent with Class I electrophysiological properties. Racainam suppresses complex ventricular arrhythmias. Racainam exhibits a good pharmacokinetic character in Sprague Dawley rats.

Racainam (20 mg/kg, i.v.) exhibits a good pharmacokinetic profile with an AUC_{0-inf} of 4.1 µg·h/mL, a half-time T_{1/2} of 0.6 h, MRT of 0.6 h, a clearance of 4.9 L/kg·h and a distribution V_{ss} of 3.2 L/kg[1].

References:

- [1]. Scatina JA, et al., Species differences in the pharmacokinetics of racainam, a new anti-arrhythmic drug. *Biopharm Drug Dispos.* 1990 Jul;11(5):445-61.
- [2]. Anastasiou-Nana MI, et al., Racainam, a potent new antiarrhythmic agent: effects on complex ventricular arrhythmias. *J Am Coll Cardiol.* 1986 Aug;8(2):427-35.

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