

Product Data Sheet

Product Name: Procainamide

Cat. No.: GC64733

Chemical Properties

Cas. No. 51-06-9

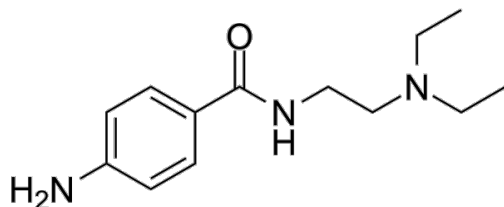
Formula $C_{13}H_{21}N_3O$ M.Wt 235.33

Solubility DMSO : 50 mg/mL (212.47 mM; Need ultrasonic) Storage 4°C, protect from light

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

Procainamide is a specific and potent inhibitor of DNA methyltransferase 1 (DNMT1). Procainamide is a Class 1A antiarrhythmic agent. Procainamide has the potential for the research of cancer and arrhythmias[1][2].

[1]. Lee BH, et al. Procainamide is a specific inhibitor of DNA methyltransferase 1. J Biol Chem. 2005;280(49):40749-40756.

[2]. Pritchard B, et al. Procainamide. [Updated 2021 Aug 8]. In: StatPearls [Internet]. Treasure Island

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

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