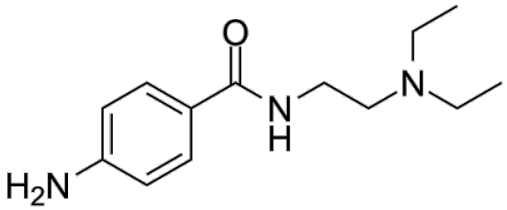
Product Data Sheet

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

(FL): StatPearls Publishing; 2022 Jan-.