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**Product Data Sheet**

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Product Name: Procaine HCl

Cat. No.: GC16173

**Chemical Properties**

Cas. No. 51-05-8

Chemical Name 2-(diethylamino)ethyl 4-aminobenzoate;hydrochloride

SMILES CCN(CC)CCOC(=O)C1=CC=C(C=C1)N.ClFormula  $C_{13}H_{20}N_2O_2.HCl$  M.Wt 272.77

Solubility DMSO : 55mg/mL; Water : 55mg/mL Storage Store at -20°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**

Procaine is an inhibitor of sodium channel, NMDA receptor and nAChR with IC<sub>50</sub> of 60 μM, 0.296 mM and 45.5 μM, which is also an inhibitor of 5-HT<sub>3</sub> with K<sub>D</sub> of 1.7 μM.

**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