

Product Data Sheet

Product Name: SCH 28080

Cat. No.: GC11151

Chemical Properties

Cas. No. 76081-98-6

Chemical Name 2-(8-(benzyloxy)-2-methylimidazo[1,2-a]pyridin-3-yl)acetonitrile

SMILES N#CCC1=C(C)N=C2N1C=CC=C2OCC3=CC=CC=C3

Formula $C_{17}H_{15}N_3O$ M.Wt 277.33

Solubility DMF: 20 mg/ml, DMSO: 20 mg/ml, Ethanol: 20 mg/ml, Ethanol: PBS (pH 7.2) (1:1): 0.5 mg/ml
Storage Store at RT

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.

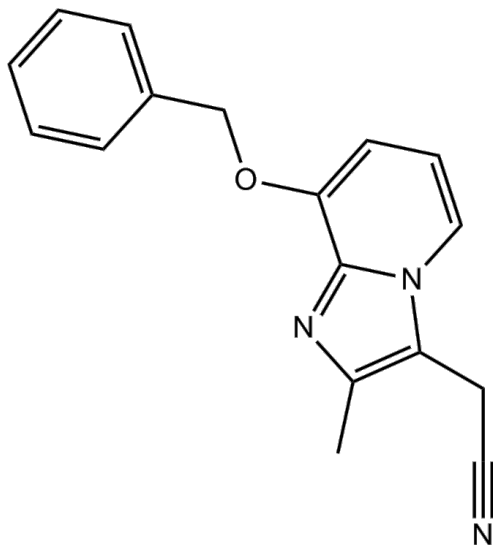
Caution: Product has not been fully validated for medical applications. For research use only.

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

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Structure



Background

SCH28080 inhibits gastric H⁺/K⁺-ATPase by K⁺-competitive binding, with an IC₅₀ value of 20 nM in rabbit microsomal membranes[1]. Antisecretory and cytoprotective activities[2].

References:

- [1]. Scott CK, et al. Studies on the mechanism of action of the gastric microsomal (H⁺ + K⁺)-ATPase inhibitors SCH 32651 and SCH 28080. *Biochem Pharmacol.* 1987 Jan 1;36(1):97-104.
- [2]. Long JF, et al. Gastric antisecretory and cytoprotective activities of SCH 28080. *J Pharmacol Exp Ther.* 1983 Jul;226(1):114-20.

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