

Product Data Sheet

Product Name: CB-7921220

Cat. No.: GC18571

Chemical Properties

Cas. No. 115453-99-1

Chemical Name 6-[2-(4-aminophenyl)ethenyl]-2-pyridinecarboxylic acid

SMILES NC(C=C1)=CC=C1/C=C/C2=NC(C(=O)O)=CC=C2

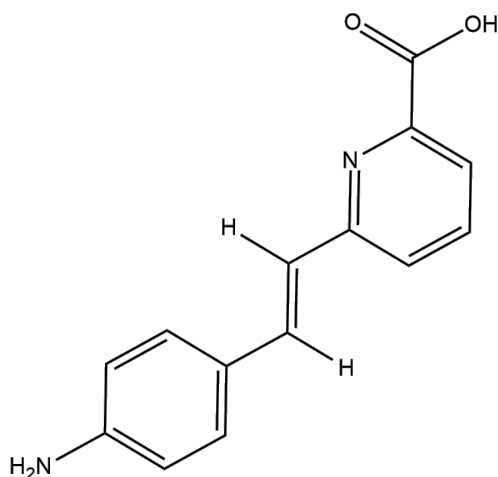
Formula $C_{14}H_{12}N_2O_2$ M.Wt 240.3

Solubility DMF: 30 mg/ml, DMSO: 30 mg/ml, PBS (pH 7.2): 0.3 mg/ml
Storage Store at -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.

Structure



Background

CB-7921220 is an adenylate cyclase inhibitor.

CB-7921220 shows a degree of isoform selectivity for adenylate cyclase (AC) 1, but cannot distinguish between AC1 and AC6. CB-7921220 has a more consistent predicted binding position in

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the two virtual docking screens, and has a binding conformation similar to ATP and P-site inhibitors, which may explain its lack of selectivity between AC1 and AC6[1].

References:

[1]. Brand CS, et al. Isoform selectivity of adenylyl cyclase inhibitors: characterization of known and novel compounds. J Pharmacol Exp Ther. 2013 Nov;347(2):265-75.

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