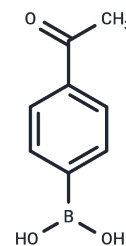


4-Acetylphenylboronic acid

Chemical Properties

CAS No. :	149104-90-5
Formula:	C ₈ H ₉ BO ₃
Molecular Weight:	163.97
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



Biological Description

Description	4-Acetylphenylboronic acid acts as an effective inhibitor targeting carbonic anhydrase II (CAII), displaying inhibitory concentrations (IC ₅₀) of 246 μM for bovine CAII (bCA II) and 281.40 μM for human CAII (hCA II).
Targets(IC ₅₀)	Carbonic Anhydrase

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	6.0987 mL	30.4934 mL	60.9868 mL
5 mM	1.2197 mL	6.0987 mL	12.1974 mL
10 mM	0.6099 mL	3.0493 mL	6.0987 mL
50 mM	0.122 mL	0.6099 mL	1.2197 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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