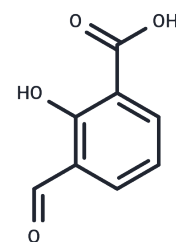


3-Formylsalicylic Acid

Chemical Properties

CAS No. :	610-04-8
Formula:	C ₈ H ₆ O ₄
Molecular Weight:	166.132
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	3-Formylsalicylic acid acts as a non-competitive inhibitor of estrone sulfatase, with IC ₅₀ and K _i values of 150 nM and 120 nM, respectively, inhibiting the enzyme responsible for converting estrone sulfate into estrone. Additionally, this compound is utilized in the synthesis of Schiff bases.
Targets(IC ₅₀)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	6.0194 mL	30.0969 mL	60.1938 mL
5 mM	1.2039 mL	6.0194 mL	12.0388 mL
10 mM	0.6019 mL	3.0097 mL	6.0194 mL
50 mM	0.1204 mL	0.6019 mL	1.2039 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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