

DHICA

Chemical Properties

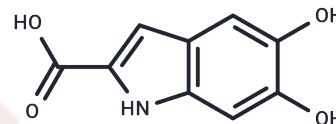
CAS No. : 4790-08-3

Formula: C₉H₇NO₄

Molecular Weight: 193.16

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	DHICA (5,6-Dihydroxyindole-2-carboxylic acid) is an intermediate in melanin synthesis and a component of eumelanin, as well as acting as a moderate potency agonist of GPR35. In the U2OS cell line, DHICA demonstrates the ability to induce β -arrestin translocation signaling with an EC ₅₀ value of 23.2 μ M. Additionally, it plays a significant role in promoting and protecting against DNA damage.
Targets(IC50)	Endogenous Metabolite, Arrestin, DUB, GPCR, PARP

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	5.1771 mL	25.8853 mL	51.7706 mL
5 mM	1.0354 mL	5.1771 mL	10.3541 mL
10 mM	0.5177 mL	2.5885 mL	5.1771 mL
50 mM	0.1035 mL	0.5177 mL	1.0354 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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