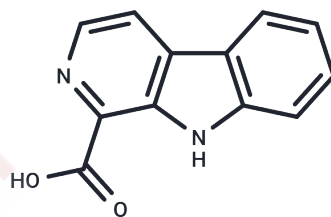


β -Carboline-1-carboxylic acid

Chemical Properties

CAS No. :	26052-96-0
Formula:	C ₁₂ H ₈ N ₂ O ₂
Molecular Weight:	212.2
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	β -Carboline-1-carboxylic acid is an alkaloid that has been found in <i>P. quassioides</i> and has diverse biological activities. It reduces LPS-induced increases in MCP-1, TNF- α , IL-6, and IL-1 β levels in RAW 264.7 cells when used at a concentration of 15 μ g/ml and inhibits the epithelial-to-mesenchymal transition (EMT) induced by TGF- β 1 in A549 cells. β -Carboline-1-carboxylic acid induces cytotoxicity in CT26.WT, K562, and SGC-7901 cells (IC ₅₀ s = 14.96, 22.11, and 19.7 μ g/ml, respectively) but not HepG2 or A549 cells (IC ₅₀ s = 36.41 and 41.51 μ g/ml, respectively). It also inhibits cAMP phosphodiesterase with an IC ₅₀ value of 96 μ M.
Targets(IC ₅₀)	Others,NF- κ B,Antibacterial,IDO,Indoleamine 2,3-Dioxygenase (IDO),PDE

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.7125 mL	23.5627 mL	47.1254 mL
5 mM	0.9425 mL	4.7125 mL	9.4251 mL
10 mM	0.4713 mL	2.3563 mL	4.7125 mL
50 mM	0.0943 mL	0.4713 mL	0.9425 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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