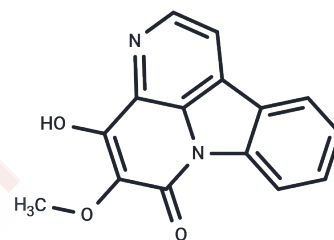


Picrasidine Q

Chemical Properties

CAS No. :	101219-61-8
Formula:	C ₁₅ H ₁₀ N ₂ O ₃
Molecular Weight:	266.25
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	Picrasidine Q is an anticancer natural alkaloid that targets FGFR2, inducing apoptosis and G1 arrest in oesophageal squamous cell carcinoma (ESCC) cells.
Targets(IC50)	Apoptosis,FGFR,Cell Cycle Arrest
In vitro	Methods: Picrasidine Q (0-60 μ M) was used to treat the human esophageal cancer cell lines (including KYSE30, KYSE410, and KYSE450). Cell proliferation was measured by MTT assay; flow cytometry was employed to analyze cell cycle distribution and apoptosis; and changes in related protein expression levels were examined through Western blotting. Results: Picrasidine Q effectively inhibited the proliferation of ESCC cells and significantly induced their apoptosis.[1]

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.7559 mL	18.7793 mL	37.5587 mL
5 mM	0.7512 mL	3.7559 mL	7.5117 mL
10 mM	0.3756 mL	1.8779 mL	3.7559 mL
50 mM	0.0751 mL	0.3756 mL	0.7512 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.

Reference

Shi Y, et al. FGFR2 regulation by picrasidine Q inhibits the cell growth and induces apoptosis in esophageal squamous cell carcinoma. J Cell Biochem. 2018;119(2):2231-2239.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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