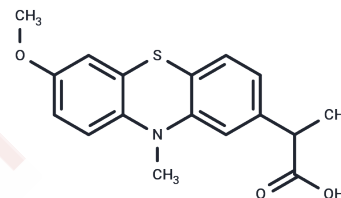


Protizinic acid

Chemical Properties

CAS No. :	13799-03-6
Formula:	C17H17NO3S
Molecular Weight:	315.39
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	Protizinic acid inhibits phospholipase A2 (PLA2) with an IC 50 of 210 µM. Protizinic acid has antiinflammatory and antipyretic activity which is an orally active non-steroidal antiinflammatory agent [1] [2].
Targets(IC50)	Others,Phospholipase
In vitro	Protizinic acid both inhibits the in vitro production of leukokinin and acts antagonistically towards it at its receptor site [1].
In vivo	Utilizing an in vivo leukokinin (LK) generation system in a feline acute ischemia model, the administration of 3 mg/kg Protizinic acid via intravenous injection twice to cats experiencing acute cardiac ischemia inhibits increased blood acid protease activity and significantly prevents the reduction of leukokininogen, leukokinin's precursor [1]. Furthermore, the oral intake of 30 mg/kg Protizinic acid markedly reduces arachidonic acid-induced erythema in guinea pigs [2].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.1707 mL	15.8534 mL	31.7068 mL
5 mM	0.6341 mL	3.1707 mL	6.3414 mL
10 mM	0.3171 mL	1.5853 mL	3.1707 mL
50 mM	0.0634 mL	0.3171 mL	0.6341 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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