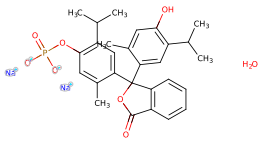
Data Sheet (Cat.No.T75377)

TargetMol®
A DRUG SCREENING EXPERT

Thymolphthalein monophosphate disodium hydrate

Chemical Properties



CAS No. : 123359-43-3

Formula: C28H31O7P.xH2O.2Na

Molecular Weight: 572.501

Appearance: no data available

Storage: keep away from direct sunlight
Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Biological Description

Description	Thymolphthalein monophosphate disodium hydrate serves as a chromogenic substrate for the detection of acid phosphatase and alkaline phosphatase. During the enzymatic reaction, thymolphthalein is liberated which elevates the medium's pH, facilitating easy detection through color production and halts hydrolysis. Additionally, this compound is utilized for the specific identification of prostatic phosphatase in serum [1] [2].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.7467 mL	8.7336 mL	17.4672 mL
5 mM	0.3493 mL	1.7467 mL	3.4934 mL
10 mM	0.1747 mL	0.8734 mL	1.7467 mL
50 mM	0.0349 mL	0.1747 mL	0.3493 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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