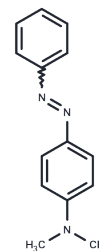


Methyl yellow

Chemical Properties

CAS No. :	60-11-7
Formula:	C ₁₄ H ₁₅ N ₃
Molecular Weight:	225.29
Storage:	Keep away from direct sunlight Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



Biological Description

Description	Methyl yellow is a pH indicator dye that appears red in acidic environments and transitions to yellow above pH 4. Methyl yellow is also employed in animal studies to induce hepatic tumor formation, where its administration alters bile composition by reducing DHA levels and increasing bile volume, with DHA concentration strongly correlating with biliary output, making this compound useful in hepatotoxicity and bile-acid metabolism research.
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.4387 mL	22.1936 mL	44.3872 mL
5 mM	0.8877 mL	4.4387 mL	8.8774 mL
10 mM	0.4439 mL	2.2194 mL	4.4387 mL
50 mM	0.0888 mL	0.4439 mL	0.8877 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

- Nakano N, et, al. An automatic monitor of formaldehyde in air by a monitoring tape method. J Environ Monit. 1999 Jun;1(3):255-8.
- MIRVISH S, et al. Bile acid composition and bile volume in butter yellow fed rats in relation to liver cancer. Br J Cancer. 1960 Jun;14(2):346-61.

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