

TLC 显色剂配制

1. KMnO_4 高锰酸钾
配制: 1.5g KMnO_4 , 10g K_2CO_3 , and 1.25mL 10% NaOH in 200mL water.
用途: 广谱, 还原性物质的检测
2. Vanillin 香草醛
配制: 15g Vanillin in 250mL ethanol and 2.5mL conc. sulfuric acid
用途: 广谱
3. Dinitrophenylhydrazine (DNP) 二硝基苯肼
配制: 12g of 2,4-dinitrophenylhydrazine, 60mL of conc. sulfuric acid, and 80mL of water in 200mL of 95% ethanol
用途: 用于醛酮的显色
4. Cerium Ammonium Molybdate (CAM) 钼酸铈
配制: To 235 mL of distilled water was added 12 g of ammonium molybdate, 0.5 g of ceric ammonium molybdate, and 15 mL of concentrated sulfuric acid。
用途: 广谱
5. Ninhydrin 茚三酮
配制: 1.5g ninhydrin in 100mL of n-butanol and then add 3.0mL acetic acid。
用途: 氨基酸类