

Derivatization Reagents for TLC

Product Name	Description	CAS Number	Pkg. Size	Cat. No.
2-Aminoethyl diphenylborinate	≥97.0% (NT), for detection of flavones	524-95-8	5, 25 g	42810
Ammonium sulfate reagent solution	For thin layer chromatography, ~10% (T) in ethanol/water, Aqueous ammonium sulfate solution equivalent to indicated ammonia levels	7783-20-2	100 mL	28213
Antimony(III) chloride reagent (free of CHC)	For thin layer chromatography, ~30% Sb, for detection of vitamins		100 mL	21623
2,2'-Bipyridyl	puriss. p.a., ≥99.0% (NT), for detection of Fe, high-affinity chelator of iron	366-18-7	5, 25, 100 g	14454
Bromocresol Green solution	Ready-to-use, for the detection of flavanoids and foodstuff	76-60-8	500 mL	02559
Bromothymol Blue	ACS reagent, Dye content 95%	76-59-5	5, 25 g	114413
Chloramine T trihydrate	purum p.a., ≥98.0% (RT), for detection of halogens and bromate, oxidizing agent for the preparation of ¹³¹ I-labeled material with high specific radioactivity; reagent for the selective oxidation of methionine	7080-50-4	50, 250, 1000 g	23270
4-Chloro-7-nitrobenzofurazan	BioChemika, puriss., for fluorescence, ≥99.0% (HPLC), for detection of glycine	10199-89-0	1, 5, 25 g	25455
2,6-Dibromoquinone-4-chloroimide	purum p.a., ≥98.0% (AT), for the detection of phosphatase, cyanides and phenols	537-45-1	10 g	34080
2',7'-Dichlorofluorescein solution	Ready-to-use spray and dip reagent for chromatography, for detection of sweeteners	76-54-0	500 mL	02591
2,6-Dichlorophenolindophenol sodium salt hydrate	BioChemika, ≥97.0% (calc. based on dry substance, AT), for detection of N-substituted barbiturates	620-45-1	1, 5, 25 g	36180
2,6-Dichloroquinone-4-chloroimide	puriss. p.a., ≥99.0% (AT), for detection of vitamin B6	101-38-2	10, 50 g	35620
4-(Dimethylamino)benzaldehyde (Ehrlich's reagent)	puriss. p.a., ≥99.0% (HPLC), for detection of hydroxyproline, forms colored condensation products (Schiff bases) with pyrroles and primary amines, analytical reagent for the determination of amino acids and peptides, amines, indoles, hydrazines and hydrogen peroxides; spray reagent for tryptophan; for the determination of tryptophan in proteins	100-10-7	50, 250 g	39070
4-(Dimethylamino)benzaldehyde solution (Ehrlich's reagent)	Ready-to-use spray and plunge reagent for chromatography, Ehrlich's reagent, for detection of amines	100-10-7	500 mL	02560
5-(4-Dimethylaminobenzylidene)rhodanine	purum p.a., ≥98.0% (S), for detection of Ag, Au, Cu, Hg, Pd, Pt, alkaloids, antipyrin, indican, sulfonamide and urobilinogen	536-17-4	10 g	39090
Dansyl chloride	BioChemika, for fluorescence, ≥99.0% (HPLC), for detection of hexylamine, a fluorogenic reagent for fluorescent N-terminal derivatization of amino acids and peptides and detection by reverse phase HPLC	605-65-2	1, 5, 50 g	39220
Dimethylglyoxime	puriss. p.a., ACS reagent, reagent Ph. Eur., ≥99% (gravimetric), for the detection of Ni, Co, Fe and Re	95-45-4	25, 100 g	33133
Diphenylcarbazone	purum p.a., ≥95.0% (HPLC), for detection of Hg, Pb, Zn, Cd, Cr, Cu, Fe, Mo	538-62-5	5, 25 g	42870
Dragendorff reagent	Ready-to-use spray and plunge reagent for chromatography, for detection of alkaloids and other nitrogen compounds in TLC	39773-75-2	100 mL	44578
Fast Blue B Salt	Standard Fluka, for microscopy (Hist.), technical grade, for detection of aflatoxins, also used for the determination of others compounds, e.g. proteins; bilirubin; enzymes	14263-94-6	10, 100 g	D9805
Fluorescence indicator green 254 nm	For thin layer chromatography	68611-47-2	50, 250 g	02554
Lead(II) acetate basic	ACS reagent, ≥33.0% as basic Pb (as PbO), ≥75.0% as total Pb (as PbO), for detection of sugar	51404-69-4	1, 5, 50 Kg, 6 x 1, 4 x 5 Kg	32306
Lead tetraacetate	purum p.a., moistened with ~15% acetic acid to stabilize, ≥95% (dried material), for detection of vicinal diols, glycosids and phenols	546-67-8	25, 100, 500 g	15370
Manganese(II) chloride tetrahydrate	puriss. p.a., ACS reagent, ≥99%, for detection of organothio-phosphorous compounds	13446-34-9	250, 1000 g	31422
Mercury(II) chloride	puriss. p.a., ACS reagent, reagent ISO, reagent Ph. Eur., ≥99.5% (calc. to the dried substance), for detection of barbiturates	7487-94-7	100, 500 g	31005

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2-Methoxy-2,4-diphenyl-3(2H)-furanone	BioChemika, for fluorescence, ≥98.0% (HPLC), for detection of hexylamine, reagent for the derivatization of primary and secondary amines for HPLC; highly fluorescent derivatives are formed; Pre-column derivatization of amines; fluorescent labeling of proteins before SDS-PAGE	50632-57-0	25, 100 mg	64958
2,2-Dihydroxy-5-methoxy-1,3-indandione hydrate (5-Methoxyninhydrin)	>93% (HPLC), for detection of amines	304671-58-7	500 mg	341002
3-Methyl-2-benzothiazolinone hydrazone hydrochloride monohydrate	purum, ≥99.0% (HPLC), for detection of aliphatic aldehydes, reagent for the determination of hexosamines in glycosaminoglycans; incorporated into a new peroxidase color reaction, reagent for the spectrophotometric determination of traces of selenium (IV) in environmental samples	38894-11-0	2.5, 10, 50 g	65875
Molybdenum Blue spray reagent	1.3% molybdenum oxide in 4.2 M sulfuric acid; For use in the detection of phospholipids and related compounds.		100 mL	M1942
Morin hydrate	Standard Fluka, for microscopy (Fl.), for the detection of Al, Be, Zn, Ga, In, Sc	654055-01-3	5, 10, 50 g	69870
N-(1-Naphthyl)ethylenediamine dihydrochloride monomethanolate	puriss. p.a., ≥99.0% (AT), for detection of nitrate and nitrite	1465-25-4	25, 100 g	70720
Ninhydrin	puriss. p.a., ≥98%, for detection of amino acids, amines and aminosugars	485-47-2	10, 25, 100, 1000 g	72490
Ninhydrin reagent according to Stahl	For thin layer chromatography, 1 g ninhydrin dissolved in 475 mL 1-butanol and 25 mL acetic acid		100 mL	17975
Orcinol monohydrate	From lichens, for detection of glycolipids	6153-39-5	5, 10, 100 g	O1875
Phosphomolybdic acid solution	Ready-to-use spray and plunge reagent for chromatography, for detection of alkaloids	12026-57-2	100, 500 mL	02553
Phthaldialdehyde	BioChemika, for fluorescence, ≥99.0% (HPLC), for detection of amino acids, for precolumn derivatization of amino acids for HPLC separation. For flow cytometric measurements of protein thiol groups	643-79-8	1, 5, 50 g	79760
Potassium dichromate	puriss. p.a., ACS reagent, reagent ISO, reagent Ph. Eur., ≥99.8%, for detection of bile acids and lipids	7778-50-9	250 g, 1, 50 Kg	31255
Potassium hexachloroplatinate(IV)	Pt, 38-41%, for detection of alkaloids	16921-30-5	1, 5, 25 g	520861
Rhodamine B Solution	Ready-to-use spray and dip reagent for chromatography, for detection of lipids	81-88-9	100 mL	02558
Sodium 1,2-naphthoquinone-4-sulfonate (Folin's reagent)	purum p.a., ≥97.0% (T), Folin's reagent, for detection of Isonicotinic hydrazide, amines and amino acids	521-24-4	5, 10 g	70382
Sulfanilic acid	puriss. p.a., ≥99.0% (T), for detection of nitrites	121-57-3	5, 100, 500 g	86090
Tetrachloro-1,4-benzoquinone	99%, for detection of phenols, reagent for the dehydrogenation of hydroaromatic compounds, undergoes photoinduced cycloaddition reactions with stilbene derivatives and, β-unsaturated carbonyl compounds, fluorescence quencher	118-75-2	25, 100 g	232017
Tetracyanoethylene	98%, for detection of dienes	670-54-2	1, 5, 10, 25 g	T8809
N,N,N',N'-Tetramethyl-p-phenylenediamine dihydrochloride	purum, ≥97.0% (AT), for detection of osazones	637-01-4	5, 25 g	87890
8-Quinolinethiol hydrochloride	97%, for determination of metal ions	34006-16-1	1 g	359785
o-Tolidine	puriss. p.a., for detection of Au, Ce, Cl, free halogens and Mn	119-93-7	25, 100, 500 g	89580
p-Toluene-4-sulfonic acid monohydrate	ReagentPlus®, 98.5%, for acetyl detection	6192-52-5	5, 100, 500 g	T35920
2,3,5-Triphenyltetrazolium chloride	BioChemika, ≥99.0% (AT), reducing sugars	298-96-4	10, 50g	93140
Zinc chloride	purum p.a., ≥98.0% (KT), for detection of alkaloids	7646-85-7	500 g, 1, 5 Kg	96470

ordering: 800-247-6628 (US only) / 814-359-3441 technical service: 800-359-3041 (US and Canada only) / 814-359-3041

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