

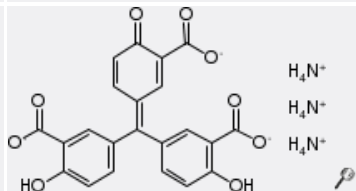



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Aluminon

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General				^
Product Name		Aluminon Aurintricarboxylic acid, triammonium salt		
CAS RN		569-58-4		
ACD Code		MFCD00040925		
Structure				
Molecular Formula		C22 H23 N3 O9		
Molecular weight		473.44		
Pack size		Catalog	Qty / UM	Price (USD)
		103060250	25 GR	40.00 Order Check stock Glass bottle
		103061000	100 GR	103.40 Order Check stock Glass bottle
		103065000	500 GR	400.20 Order Check stock Glass bottle
Physical		^		
Melting Point (°C)		220 - 225		
Safety		^		
GHS Pictogram				
GHS Signal Word		Warning		
GHS H statement		H319: Causes serious eye irritation H315: Causes skin irritation		
GHS P statement		P301 + P310: IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician P302+ P352: IF ON SKIN: Wash with plenty of soap and water P280: Wear protective gloves/protective clothing/eye protection/face protection P305 + P351 + P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing		
Categories		^		
		Preparation, Purification and Analysis > Titration > Indicators > Metal Titration Indicators Biochemicals and Reagents > Enzymes, Inhibitors, and Substrates > Enzyme Inhibitors > Enzyme Inhibitors by Enzyme > Topoisomerase II Biochemicals and Reagents > Enzymes, Inhibitors, and Substrates > Enzyme Inhibitors > Enzyme Inhibitors by Enzyme > Ribonuclease Building Blocks > Organic Building Blocks > Carbonyl Compounds > Carboxylic Acid Salts Preparation, Purification and Analysis > Titration		
Other		^		
Infrared		Show		
Parameter		EINECS	209-319-1	
		Solubility	Solubility in water: 800 g/L (20°C) Solubility in other solvents: slightly soluble in ethanol insoluble in petroleum ether	
		Origin	synthetic	
		References: Literature	Aluminon: its limited application as a reagent for the detection of aluminum species: Clark Rebecca A.; Krueger, Geraldine L.; J. Histochem. Cytochem., 1985, 33(7), 729-32; review.	
		References: Literature	Preparation and colorimetric properties of Aluminon: Smith, W. H.; Sager, E. E.; Siewers, I. J.; Anal. Chem., 1949, 21(11), 1334-8.	
		References: Literature	Some observations on reactions between certain metallic ions and the ammonium salt of aurintricarboxylic acid: Yoe, John H.; J. Am. Chem. Soc., 1932, 54, 1022-3.	
		References: Literature	An investigation of the reaction of aluminum with the ammonium salt of aurintricarboxylic acid under different experimental conditions and its application to the determination of aluminum in water: Yoe, J. H.; Hill, W. L.; J. Am. Soc., 1927, 49, 2395-2407.	
		References:	Reaction of "aluminon" with hydroxides of beryllium, rare earths, zirconium and thorium: Middleton, A. R.; J.	

	Literature References: Literature References: Literature Reference: Beilstein Reference: Merck	Am. Chem.Soc., 1926, 48 2125-6. Rapid detection of small amounts of aluminium in certain non-ferrous materials: Lundell, G. E. F.; Knowles, H. B.;J. Ind. Eng. Chem., 1926, 18(1), 60-1. A new reagent for aluminium: Hammett, L. P.; Sottery, C. T.; J. Am. Chem. Soc., 1925, 47, 142-3. 10,III,4866; 10,IV,4161 15,318
3D model	Show	