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## Picrolonic Acid

(3-Methyl-4-nitro-1-(p-nitrophenyl)-5-pyrazolone),  $C_{10}H_8N_4O_5$  264.19 CAS RN<sup>®</sup>: 550-74-3.—Yellow to brownish-yellow, crystalline powder. Slightly soluble in water; soluble in alcohol, in chloroform, in ether, in benzene, and in solutions of alkali hydroxides.

**MELTING RANGE (741):** between 115° and 117°.

**Residue on Ignition** (Reagent test): negligible, from 200 mg.

**Sensitiveness:** Dissolve 25 mg in 10 mL of warm water containing 0.1 mL of glacial acetic acid, and filter the solution, if necessary. Dissolve 100 mg of calcium chloride in 250 mL of water, and mix. Heat 1 mL of the calcium chloride solution in a test tube to about 60°, then add to it 1 mL of the picrolonic acid solution: a bulky precipitate forms in 5 minutes or less.

**Auxiliary Information** - Please [check for your question in the FAQs](#) before contacting USP.

Topic/Question	Contact	Expert Committee
PICROLONIC ACID	<a href="#">Margareth R.C. Marques</a> Principal Scientific Liaison	HDQ Headquarters

**Most Recently Appeared In:**

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