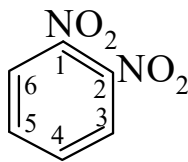




>>Entry Name: 1,2-Dinitrobenzene, 9CI

Synonym(s): o-Dinitrobenzene, 8CI



CAS Registry Number: 528-29-0

Extra CAS Registry Numbers(s): 25154-54-5

Type of Compound Code(s): PA4150

Molecular Formula: C₆H₄N₂O₄

Molecular Weight: 168.109

Accurate Mass: 168.017108

Percentage Composition: C 42.87%; H 2.40%; N 16.66%; O 38.07%

Use/Importance: Gives colour reaction with S₂O₄²⁽⁻⁾

Physical Description: Yellow prisms or cryst. (EtOH)

Melting Point: Mp 118°

Boiling Point: Bp₇₇₃ 319°. Bp₁₈ 182°

Solubility: Sol. EtOH, CHCl₃; sl. sol. H₂O

Other Data: Steam-volatile

Hazard & Toxicity: Fl. p. 150°. Forms highly explosive mixt. with conc. HNO₃. Skin absorption can cause methaemoglobinaemia leading to cyanosis. Respiratory tract irritant. Prolonged or repeated exposure can damage liver, kidneys and CNS

Aldrich: 30206-6

Fluka: 41972

Sigma: D2638

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