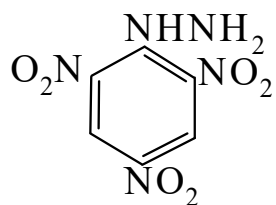




>>Entry Name: (2,4,6-Trinitrophenyl)hydrazine, 9Cl, 8Cl

Synonym(s): Picrylhydrazine



CAS Registry Number: 653-49-6

Molecular Formula: C₆H₅N₅O₆

Molecular Weight: 243.135

Accurate Mass: 243.023985

Percentage Composition: C 29.64%; H 2.07%; N 28.80%; O 39.48%

Use/Importance: Occasionally used for characterisation of carbonyl compds.

Physical Description: Red cryst. (EtOH)

Melting Point: Mp 177-179°

Other Data: Reduces Fehling's soln.

>>Derivative: N',N'-Di-Ph

CAS Registry Number: 1707-75-1

Molecular Formula: C₁₈H₁₃N₅O₆

Molecular Weight: 395.331

Accurate Mass: 395.086585

Percentage Composition: C 54.69%; H 3.31%; N 17.72%; O 24.28%

Melting Point: Mp 178 dec.°

Aldrich: 28168-9

Fluka: 43170

Sigma: D5889

References:

Rappoport, Z. *et al.*, *J.C.S.(B)*, 1968, 277, (*synth*)

Flippen-Anderson, J.L. *et al.*, *Acta Cryst. C*, 1989, **45**, 1107, (*cryst struct*)