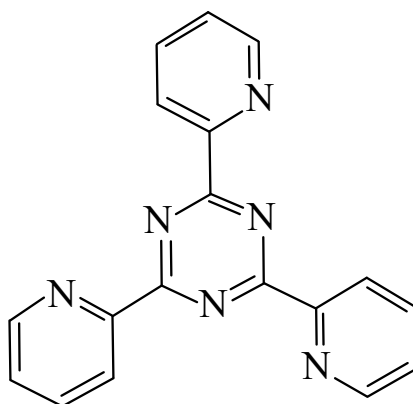




>>Entry Name: 2,4,6-Tri-2-pyridinyl-1,3,5-triazine



CAS Registry Number: 3682-35-7

Molecular Formula: C₁₈H₁₂N₆

Molecular Weight: 312.333

Accurate Mass: 312.112344

Percentage Composition: C 69.22%; H 3.87%; N 26.91%

Use/Importance: Used as 1mM soln. in dil. HCl for photometric detn. of Fe(II) ($\lambda_{\max}$ 595 nm, ϵ 25000), Ru, Co, SO₃²⁽⁻⁾ (indirectly)

Physical Description: Cryst. + 3 or 4H₂O

Melting Point: Mp 243-245°

Solubility: Sol. acids

Aldrich: 15528-4

Fluka: 93285

Sigma: T1253

References:

- Aldrich Library of FT-IR Spectra, 1st edn.*, 1985, **2**, 851D, (*ir*)
Aldrich Library of 13C and 1H FT NMR Spectra, 1992, **3**, 419C, (*nmr*)
Collins, P. *et al.*, *Anal. Chem.*, 1959, **31**, 1862, (*detn, Fe*)
Case, F.H. *et al.*, *J.A.C.S.*, 1959, **81**, 905, (*synth*)
Buchanan, E.B. *et al.*, *Talanta*, 1966, **13**, 903, (*detn, Fe*)
Vagg, R.S. *et al.*, *Aust. J. Chem.*, 1967, **20**, 1841, (*synth, use*)
Embry, W.A. *et al.*, *Anal. Chem.*, 1968, **40**, 1499, (*detn, Ru*)
Stephens, B.G. *et al.*, *Analyst (London)*, 1970, **95**, 70, (*detn, SO₃*)
Sasaki, Y., *Anal. Chim. Acta*, 1978, **98**, 335, (*detn, Ru*)
Llobera, A. *et al.*, *Synthesis*, 1985, 95, (*synth*)
Forsberg, J.H. *et al.*, *J. Het. Chem.*, 1988, **25**, 767, (*synth*)
Drew, M.G.B. *et al.*, *Acta Cryst. C*, 1998, **54**, 985-987, (*cryst struct, bibl*)
Goethals, M. *et al.*, *J. Het. Chem.*, 1999, **36**, 49-55, (*ir*)