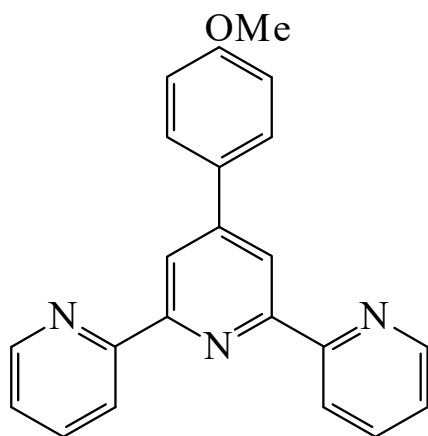




>>Entry Name: 4'-(4-Methoxyphenyl)-2,2':6',2''-terpyridine, 9Cl

Synonym(s): 2,6-Di-(2-pyridyl)-4-(4-methoxyphenyl)pyridine



CAS Registry Number: 13104-56-8

Molecular Formula: C₂₂H₁₇N₃O

Molecular Weight: 339.396

Accurate Mass: 339.137162

Percentage Composition: C 77.86%; H 5.05%; N 12.38%; O 4.71%

Use/Importance: Used as a 0.04% soln. in dil. HCl for photometric detn. of Co, Fe; as 0.5mM EtOH soln. for photometric detn. of Fe(II) ($\lambda_{\max}$ 570 nm, ϵ 26900)

Physical Description: Cryst.

Solubility: Sol. Me₂CO, EtOH, Et₂O, C₆H₆, dil. acids; insol. H₂O

References:

Deggau, E. *et al.*, *Z. Klin. Chem.*, 1965, **3**, 102, (*detn, Fe*)

Stamm, D. *et al.*, *Z. Klin. Chem.*, 1966, **4**, 222, (*detn, Fe*)

Schmidt, R. *et al.*, *Z. Klin. Chem.*, 1967, **5**, 304, (*detn, Fe*)

Stanchev, P., *Chem. Anal. (Warsaw)*, 1971, **16**, 243

Nagahiro, T. *et al.*, *Analyst (London)*, 1984, **109**, 163, (*detn, Co*)