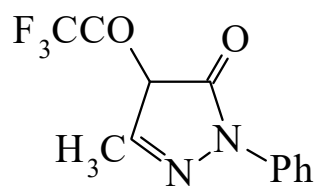




>>Entry Name: 2,4-Dihydro-5-methyl-2-phenyl-4-(trifluoroacetyl)-3H-pyrazol-3-one, 9CI

Synonym(s): 3-Methyl-1-phenyl-4-trifluoroacetyl-5-pyrazolone. HPMTFP



CAS Registry Number: 1691-93-6

Molecular Formula: C₁₂H₉F₃N₂O₂

Molecular Weight: 270.21

Accurate Mass: 270.061612

Percentage Composition: C 53.34%; H 3.36%; F 21.09%; N 10.37%; O 11.84%

General Statement: Enolised

Use/Importance: Used as C₆H₆ or cyclohexane soln. for synergic extraction-separation of Li

Physical Description: Cryst. (dioxan aq.)

Melting Point: Mp 146°

Solubility: Sol. dioxan, EtOH, cyclohexane, C₆H₆

pKa Value: pK_a 2.56

References:

Umetani, S. *et al.*, *Talanta*, 1987, **34**, 779, (*synth, sepn, Li*)

Le, Q.T.H. *et al.*, *Bull. Chem. Soc. Jpn.*, 1995, **68**, 2867, (*use, bibl*)