



>>Entry Name: 1,9-Diphenyl-1,3,6,8-nonatetraen-5-one, 9Cl

Synonym(s): Diccinnamalacetone

CAS Registry Number: 622-21-9

PhCH=CHCH=CHCOCH=CHCH=CHPh

Molecular Formula: C<sub>21</sub>H<sub>18</sub>O

Molecular Weight: 286.373

Accurate Mass: 286.135765

Percentage Composition: C 88.08%; H 6.34%; O 5.59%

Use/Importance: Indicator for detection of hydrogen halides in non-hydroxylic organic solvs.

Physical Description: Yellow needles (EtOH)

Melting Point: Mp 144°

Aldrich: 22906-7

Rare Chemicals Library: S64846-9

#### References:

*Aldrich Library of 13C and 1H FT NMR Spectra*, 1992, **2**, 874C, (nmr)

*Aldrich Library of FT-IR Spectra, 1st edn.*, 1985, **2**, 52B, (ir)

Diehl, H. *et al.*, *Ber.*, 1885, **18**, 2325, (synth)

Straus, F., *Annalen*, 1910, **374**, 78, (synth)

Hathaway, B.A., *J. Chem. Educ.*, 1987, **64**, 367, (synth)