



>>Entry Name: **3-Phenyl-2-propyn-1-ol**, 9CI

Synonym(s): Phenylpropargyl alcohol. Phenylpropionic alcohol. (Hydroxymethyl)phenylacetylene

CAS Registry Number: 1504-58-1

PhC≡CCH₂OH

Molecular Formula: C₉H₈O

Molecular Weight: 132.162

Accurate Mass: 132.057515

Percentage Composition: C 81.79%; H 6.10%; O 12.11%

Boiling Point: Bp₅ 100-103°. Bp_{0.8} 89-95°

Refractive Index: n_D²⁰ 1.5830

>>Derivative: 3,5-Dinitrobenzoyl

Melting Point: Mp 131-132°

References:

- Bates, E.B. *et al.*, *J.C.S.*, 1954, 1854, (*synth*)
Jorgenson, M.J., *Tet. Lett.*, 1962, 559, (*synth*)
Tomita, K. *et al.*, *Chem. Pharm. Bull.*, 1968, **16**, 914, (*synth*)
Org. Synth., *Coll. Vol.*, 5, 1973, 880, (*synth*)
Cassar, L., *J. Organomet. Chem.*, 1975, **93**, 253, (*synth*)
Hagihara, N. *et al.*, *Tet. Lett.*, 1975, 4467, (*synth*)
Denis, J.-N. *et al.*, *J.O.C.*, 1986, **51**, 46, (*synth*, *ir*, *pmr*)
Pelter, A. *et al.*, *J.C.S. Perkin 1*, 1990, 2775, (*synth*, *ir*, *pmr*)
Davis, F.A. *et al.*, *J.O.C.*, 1992, **57**, 2599, (*synth*)
Messer, W.S. *et al.*, *J. Med. Chem.*, 1997, **40**, 1230-1246, (*synth*, *pmr*)