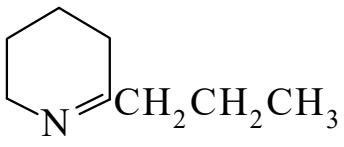
>>**Entry Name: 2,3,4,5-Tetrahydro-6-propylpyridine,** 9CI
Synonym(s): γ-Coniceine. 2-Propyl-Δ^1-piperideine



CAS Registry Number: 1604-01-9

Molecular Formula: $C_8H_{15}N$
Molecular Weight: 125.213
Accurate Mass: 125.120449
Percentage Composition: C 76.74%; H 12.07%; N 11.19%

Biological Source: Major alkaloid of *Conium maculatum* (hemlock) in the vegetative state. Also found in *Aloë gililandii, Aloë ballyi, Aloë ruspoliana, Aloë ibitiensis* and *Aloë deltoidea*
Physical Description: Oil
Boiling Point: Bp 171-172°. Bp_9 54°
Density: $d^{22.5}$ 0.883
Refractive Index: n_D^{20} 1.4603
Other Data: Rapidly dec. in air. The other coniceines are synthetic or semisynthetic compds.
Hazard & Toxicity: Extremely toxic, teratogen

>>**Derivative:** Hydrochloride

Melting Point: Mp 143°

>>**Derivative:** Hydrobromide

Melting Point: Mp 139°

>>**Derivative:** Picrate

Physical Description: Yellow prisms (EtOH)
Melting Point: Mp 79° (75.5°)

References:

Wolffenstein, R., *Ber.*, 1895, **28**, 302, *(isol)*
Gabriel, S., *Ber.*, 1909, **42**, 4059, *(synth)*
Lukes, R. *et al.*, *Coll. Czech. Chem. Comm.*, 1947, **12**, 641, *(synth)*
Fairbairn, J.W. *et al.*, *Phytochemistry*, 1961, **1**, 38
Beyerman, H.C. *et al.*, *Rec. Trav. Chim. (J. R. Neth. Chem. Soc.)*, 1961, **80**, 513, *(struct, synth, bibl, ir, pmr)*
Büchel, K.H. *et al.*, *Chem. Ber.*, 1962, **95**, 2460, *(struct, uv, pmr, synth)*
Grundon, M.F. *et al.*, *J.C.S.*, 1964, 2445, *(synth)*
Mundy, B.P. *et al.*, *Synth. Commun.*, 1972, **2**, 197, *(synth)*
Leete, E. *et al.*, *J.A.C.S.*, 1977, **94**, 5472, *(biosynth)*
Unger, W., *Planta Med.*, 1977, **31**, 262, *(synth)*
Astier, A. *et al.*, *Tet. Lett.*, 1978, 2051, *(synth)*
Roberts, M.F. *et al.*, *Phytochemistry*, 1981, **20**, 447, *(isol)*
Zezza, C.A. *et al.*, *Org. Mass Spectrom.*, 1984, **19**, 645, *(ms)*
Dring, J.V. *et al.*, *Planta Med.*, 1984, **50**, 442, *(isol)*
Lewis, R.J., *Sax's Dangerous Properties of Industrial Materials, 8th edn., Van Nostrand Reinhold*, 1992, CNH730

https://www.baizuoyan.com - CopyRight ©baizuoyan