>>**Entry Name: 3-Hexen-1-ol,** 9CI
ENTRY UNDER REVIEW
Synonym(s): 3-Hexenyl alcohol. Leaf alcohol

CAS Registry Number: 544-12-7
Related CAS Registry Numbers(s): 53398-84-8
$H_3CCH_2CH{=}CHCH_2CH_2OH$

Molecular Formula: $C_6H_{12}O$
Molecular Weight: 100.16
Accurate Mass: 100.088815
Percentage Composition: C 71.95%; H 12.08%; O 15.97%

>>**Variant:** (*E*)-form

CAS Registry Number: 928-97-2

Molecular Formula: $C_6H_{12}O$
Molecular Weight: 100.16
Accurate Mass: 100.088815
Percentage Composition: C 71.95%; H 12.08%; O 15.97%
Use/Importance: Used in blueberry flavouring
Boiling Point: Bp 153-156°. Bp_{22} 80-85°. Bp_{20} 72.5-73°
Aldrich: W50780-6
Fluka: 53058

>>**Derivative:** 3,5-Dinitrobenzoyl

Melting Point: Mp 49°. Mp 46.5-47.3°

>>**Derivative:** 4-Nitrophenylurethane

Melting Point: Mp 84-85°

>>**Variant:** (*Z*)-form
Synonym(s): Phyllol. Verdalol. FEMA 2563

CAS Registry Number: 928-96-1

Molecular Formula: $C_6H_{12}O$
Molecular Weight: 100.16
Accurate Mass: 100.088815
Percentage Composition: C 71.95%; H 12.08%; O 15.97%
Biological Source: Occurs in geranium, tea, citrus and other oils, and many fruits, e.g. banana, concord grape, quince
Use/Importance: Used as tea flavourant. Preferred to (*E*)-isomer in perfumes and flavours to add natural `green' notes
Physical Description: Liq. with odour of fresh grass
Boiling Point: Bp 156-157°. Bp_{19} 65-67°. Bp_{20} 73.5-74.3°
Refractive Index: n_D^{20} 1.4384
Hazard & Toxicity: Flammable, fl. p. 54°, low oral tox.

Aldrich: W25630-7
Fluka: 53056
Sigma: H1265

>>**Derivative:** *O*-β-D-Glucopyranoside
Synonym(s): (*Z*)-3-Hexenyl β-D-glucopyranoside

CAS Registry Number: 95632-87-4

Molecular Formula: $C_{12}H_{22}O_6$
Molecular Weight: 262.302
Accurate Mass: 262.14164
Percentage Composition: C 54.95%; H 8.45%; O 36.60%
Biological Source: Isol. from leaves of *Pertya glabrescens* and from Danyshen (prob. *Codonopsis pilosula*)
Physical Description: Syrup
Melting Point: Mp 63° (as tetra-Ac)
Optical Rotation: $[\alpha]_D^{21}$ –38 (c, 0.48 in MeOH)