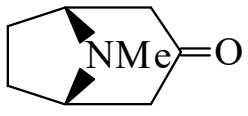
>>**Entry Name: 8-Methyl-8-azabicyclo[3.2.1]octan-3-one,** 9CI
**Synonym(s): Tropinone.** 3-Tropanone




**CAS Registry Number:** 532-24-1

**Molecular Formula:** $C_8H_{13}NO$
**Molecular Weight:** 139.197
**Accurate Mass:** 139.099714
**Percentage Composition:** C 69.03%; H 9.41%; N 10.06%; O 11.49%
**Biological Source:** Alkaloid from *Nicandra physaloides* (Solanaceae)
**Physical Description:** Needles (petrol)
**Melting Point:** Mp 42°
**Boiling Point:** $Bp_{13}$ 103-104°
**Other Data:** Co-occurs with Hygrine CGD99-I

**Aldrich:** T8960-5
**Fluka:** 93552
**Sigma:** T3138

>>**Derivative:** Hydrochloride

**CAS Registry Number:** 4827-85-4
**Melting Point:** Mp 188-0 188-189° dec.°
**Hazard & Toxicity:** $LD_{50}$ (mus, ipr) 430 mg/kg

>>**Derivative:** Picrate

**Melting Point:** Mp 217-218°

>>**Derivative:** *N*-Oxide

**Molecular Formula:** $C_8H_{13}NO_2$
**Molecular Weight:** 155.196
**Accurate Mass:** 155.094629
**Percentage Composition:** C 61.91%; H 8.44%; N 9.03%; O 20.62%
**Melting Point:** Mp 217-218°

>>**Derivative:** Oxime

**Molecular Formula:** $C_8H_{14}N_2O$
**Molecular Weight:** 154.211
**Accurate Mass:** 154.110613
**Percentage Composition:** C 62.31%; H 9.15%; N 18.17%; O 10.37%
**Melting Point:** Mp 114°
**Other Data:** Chiral, has been resolved

**References:**

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Singh, H. *et al.*, *Tet. Lett.*, 1966, 3243; 6502, *(resoln, oxime)*
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