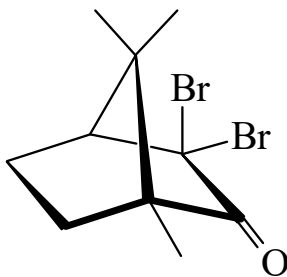




>>Entry Name: **3,3-Dibromocamphor**

Synonym(s): 3,3-Dibromo-1,7,7-trimethylbicyclo[2.2.1]heptan-2-one, 9Cl. 3,3-Dibromo-2-bornanone, 8Cl



CAS Registry Number: 514-12-5

Molecular Formula: $C_{10}H_{14}Br_2O$

Molecular Weight: 310.028

Accurate Mass: 307.981137

Percentage Composition: C 38.74%; H 4.55%; Br 51.55%; O 5.16%

>>Variant: (+)-form

Molecular Formula: $C_{10}H_{14}Br_2O$

Molecular Weight: 310.028

Accurate Mass: 307.981137

Percentage Composition: C 38.74%; H 4.55%; Br 51.55%; O 5.16%

Physical Description: Cryst. (petrol or EtOH)

Melting Point: Mp 61°

Optical Rotation: $[\alpha]_D^{20} +39.6$ (c, 17 in C_6H_6)

Other Data: Not v. stable, steam-volatile

References:

Burgess, H. *et al.*, *J.C.S.*, 1923, **123**, 1867, (*synth*)

Eck, C.R. *et al.*, *J.C.S. Perkin I*, 1975, 251, (*synth, nmr, ir*)

Carman, R.M. *et al.*, *Aust. J. Chem.*, 1979, **32**, 2331, (*synth*)