



>>Entry Name: **2,3-Heptanedione**, 9CI

ENTRY UNDER REVIEW

Synonym(s): 2,3-Dioxoheptane. FEMA 2543

CAS Registry Number: 96-04-8

$\text{H}_3\text{CCOCO}(\text{CH}_2)_3\text{CH}_3$

Molecular Formula: $\text{C}_7\text{H}_{12}\text{O}_2$

Molecular Weight: 128.171

Accurate Mass: 128.08373

Percentage Composition: C 65.60%; H 9.44%; O 24.97%

Biological Source: Found in tomatoes and other vegetable sources

Use/Importance: Flavour ingredient

Physical Description: Liq. with pungent cherry odour and sweet buttery taste

Boiling Point: Bp_{10} 44-45°

>>Derivative: Bis-2,4-dinitrophenylhydrazone

Melting Point: Mp 226-227°

References:

Cuvigny, T. *et al.*, *C. R. Hebd. Seances Acad. Sci.*, 1953, **237**, 815

Unanyon, M.P. *et al.*, *CA*, 1968, **69**, 2472d, (*synth*)

Encyclopedia of Food and Color Additives, (ed. Burdock, G.A.), CRC Press, 1997, 1265, (*occur, props*)