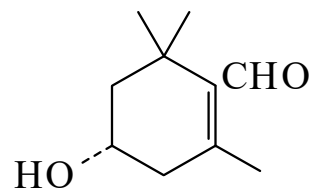




>>Entry Name: 4-Hydroxy-2,6,6-trimethyl-1-cyclohexenecarboxaldehyde
ENTRY UNDER REVIEW



CAS Registry Number: 138-55-6

Molecular Formula: $C_{10}H_{16}O_2$

Molecular Weight: 168.235

Accurate Mass: 168.11503

Percentage Composition: C 71.39%; H 9.59%; O 19.02%

>>Derivative: *O*- β -D-Glucopyranoside

Synonym(s): Picrocrocine. Safranbitter. Saffronbitter. FEMA 2998

Molecular Formula: $C_{16}H_{26}O_7$

Molecular Weight: 330.377

Accurate Mass: 330.167855

Percentage Composition: C 58.17%; H 7.93%; O 33.90%

Biological Source: Isol. from saffron (stamens of *Crocus sativus*)

Physical Description: Cryst. (MeOH/ $CHCl_3$ / Et_2O)

Melting Point: Mp 156°

Optical Rotation: $[\alpha]_D^{20} -58$ (H_2O)

UV: [neutral] λ_{max} 250 (ϵ 10100) (MeOH) (Berdy)

References:

Duquenois, P., *Bull. Soc. Pharm. Strasbourg*, 1972, **155**, 149, (rev)

Buchecker, R. *et al.*, *Helv. Chim. Acta*, 1973, **56**, 1121, (struct)