

ISOVALERALDEHYDE



CAS Number: 590-86-3

Other Names: 3-Methylbutyraldehyde; Isopentaldehyde; Isovaleral;
Isoamylaldehyde; 3-Methylbutanal

Formula: C₅H₁₀O

PRODUCT INTRODUCTION

Isovaleraldehyde is a colorless liquid with a weak suffocating odor. It occurs in natural oils such as orange, lemon, peppermint, and eucalyptus.

PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Colourless, Clear Liquid
Water Content	0.05 %
Purity	99.4 %
Acid value	0.9 mg KOH/G

APPLICATIONS

- Isovaleraldehyde was used as standard to evaluate the quality of olive oils by headspace solid-phase micro extraction-gas chromatography using flame ionization detection and multivariate analysis.
- It is also used as internal standard in determination of wine aroma carbonyl compounds with 5-8 carbon atoms.
- The compound is used as a reactant in the synthesis of a number of compounds.
- A range of pharmaceuticals, such as butizide, are synthesized from isovaleraldehyde and its corresponding acid

PACKAGING OPTIONS

Drums

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