



Synonym(s): Dibutyl fumarate

CAS Registry Number: 105-75-9

Molecular Formula: C₁₂H₂₀O₄

Molecular Weight: 228.288

Accurate Mass: 228.13616

Percentage Composition: C 63.14%; H 8.83%; O 28.03%

Use/Importance: Vinyl resin comonomer

Physical Description: Oil

Melting Point: Fp 16°

Boiling Point: Bp 285°. Bp₂ 108-110°

Solubility: Insol. H₂O; sol. Me₂CO, CHCl₃

Density: d²⁰ 0.987

Refractive Index: n_D²⁰ 1.4469

Rare Chemicals Library: S36020-1

>>Derivative: Bis(2-methylpropyl) ester

Synonym(s): Bis(2-methylpropyl) fumarate. Diisobutyl fumarate

CAS Registry Number: 7283-69-4

Molecular Formula: C₁₂H₂₀O₄

Molecular Weight: 228.288

Accurate Mass: 228.13616

Percentage Composition: C 63.14%; H 8.83%; O 28.03%

Boiling Point: Bp₁₆₀ 170°

Density: d²⁰ 0.976

Refractive Index: n_D²⁰ 1.4432

>>Derivative: Di-*tert*-butyl ester

Synonym(s): Di-*tert*-butyl fumarate

CAS Registry Number: 7633-38-7

Molecular Formula: C₁₂H₂₀O₄

Molecular Weight: 228.288

Accurate Mass: 228.13616

Percentage Composition: C 63.14%; H 8.83%; O 28.03%

Physical Description: Cryst. (Me₂CO or Et₂O)

Melting Point: Mp 46°. Mp 71-71.5°

>>Derivative: Dipentyl ester

Synonym(s): Dipentyl fumarate. Diamyl fumarate

CAS Registry Number: 20314-74-3

Molecular Formula: C₁₄H₂₄O₄

Molecular Weight: 256.341

Accurate Mass: 256.16746

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

Boiling Point: Bp₇ 162°

Density: d²⁰ 0.968

Refractive Index: n_D²⁰ 1.4496

>>Derivative: Bis(3-methylbutyl) ester

Synonym(s): Bis(3-methylbutyl) fumarate. Diisopentyl fumarate

Molecular Formula: C₁₄H₂₄O₄

Molecular Weight: 256.341

Accurate Mass: 256.16746

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

Boiling Point: Bp₁₁ 166°

Density: d²⁰ 0.9655

Refractive Index: n_D²⁰ 1.4479