



Physical Description: Cryst. (MeOH)
Melting Point: Mp 38-40°
Optical Rotation: $[\alpha]_D$ +48.3 (EtOH)

Aldrich: W26650-7
Supelco: 48-2665

>>**Variant:** (1*S*,3*S*,4*S*)-form
Synonym(s): (–)-Neoisomenthol

Molecular Formula: C₁₀H₂₀O
Molecular Weight: 156.267
Accurate Mass: 156.151415
Percentage Composition: C 76.86%; H 12.90%; O 10.24%
Biological Source: Isol. from geranium bourbon oil (*Pelargonium roseum*)

>>**Variant:** (1*R*,3*R*,4*R*)-form
Synonym(s): (±)-Neoisomenthol

Extra CAS Registry Numbers(s): 491-02-1
Molecular Formula: C₁₀H₂₀O
Molecular Weight: 156.267
Accurate Mass: 156.151415
Percentage Composition: C 76.86%; H 12.90%; O 10.24%
Melting Point: Mp 14°
Boiling Point: Bp₆ 81°
Refractive Index: n_D^{17} 1.4676

>>**Variant:** (1*R*,3*R*,4*S*)-form
Synonym(s): (±)-Menthol. Racementhol, BAN, INN

CAS Registry Number: 15356-20-4
Extra CAS Registry Numbers(s): 89-78-1 1490-04-6
Molecular Formula: C₁₀H₂₀O
Molecular Weight: 156.267
Accurate Mass: 156.151415
Percentage Composition: C 76.86%; H 12.90%; O 10.24%
Use/Importance: Flavouring agent
Physical Description: Needles (petrol)
Melting Point: Mp 34°
Boiling Point: Bp 216°

>>**Derivative:** Ac

CAS Registry Number: 29066-34-0
Extra CAS Registry Numbers(s): 89-48-5
Use/Importance: Component of peppermint oil
Melting Point: Mp 228-229°
Refractive Index: n_D^{20} 1.4470
Supelco: S48-2668

>>**Derivative:** 2-Aminobenzoyl
Synonym(s): Meradimate, USAN. *p*-Menth-3-yl anthranilate

CAS Registry Number: 134-09-8

Molecular Formula: C₁₇H₂₅NO₂
Molecular Weight: 275.39
Accurate Mass: 275.188529
Percentage Composition: C 74.14%; H 9.15%; N 5.09%; O 11.62%
Biological Use/Importance: UVA absorber. Sunscreen agent
Melting Point: Mp 63-64°
Boiling Point: Bp_{0.33} 156°

>>**Variant:** (1*R*,3*S*,4*R*)-form
Synonym(s): (±)-Isomenthol