



Accurate Mass: 211.084459
Percentage Composition: C 56.87%; H 6.20%; N 6.63%; O 30.30%
Melting Point: Mp 83-84°
Boiling Point: Bp₁₀ 198-200°

>>**Derivative:** Tri-Me ether, 2,4-dinitrophenylhydrazone

CAS Registry Number: 14400-76-1
Physical Description: Cryst. (AcOH)
Melting Point: Mp 246°

>>**Derivative:** 3-Me, 4,5-methylene ether

Synonym(s): 3-Methoxy-4,5-methylenedioxybenzaldehyde. 7-Methoxy-1,3-benzodioxole-5-carboxaldehyde, 9Cl. Myristicinaldehyde. 5-Methoxypiperonal

CAS Registry Number: 5780-07-4
Molecular Formula: C₉H₈O₄
Molecular Weight: 180.16
Accurate Mass: 180.04226
Percentage Composition: C 60.00%; H 4.48%; O 35.52%
Physical Description: Needles (H₂O)
Melting Point: Mp 131-132°
Rare Chemicals Library: S11830-3

>>**Derivative:** 4-*O*-β-D-Glucopyranoside
Synonym(s): Neocrenatin. MP-10

CAS Registry Number: 67783-19-1

Molecular Formula: C₁₃H₁₆O₉
Molecular Weight: 316.264
Accurate Mass: 316.079435
Percentage Composition: C 49.37%; H 5.10%; O 45.53%
Biological Source: Prod. of enzymic hydrol. of Neocretanin
Physical Description: Hygroscopic powder

>>**Derivative:** 3-*O*-[6-*O*-(3,4,5-Trihydroxybenzoyl)-β-D-glucopyranoside]
Synonym(s): Castamollissin

CAS Registry Number: 115355-99-2

Molecular Formula: C₂₀H₂₀O₁₃
Molecular Weight: 468.37
Accurate Mass: 468.090395
Percentage Composition: C 51.29%; H 4.30%; O 44.41%
Biological Source: Isol. from the leaves of *Castanea mollissima*
Physical Description: Needles + 2H₂O (H₂O)
Melting Point: Mp 209-211°
Optical Rotation: [α]_D²⁰ -58.8 (c, 1.06 in Me₂CO aq.)

>>**Derivative:** 4-*O*-[6-*O*-(3,4,5-Trihydroxybenzoyl)-β-D-glucopyranoside]
Synonym(s): Neocretanin

CAS Registry Number: 67771-96-4

Molecular Formula: C₂₀H₂₀O₁₃
Molecular Weight: 468.37
Accurate Mass: 468.090395
Percentage Composition: C 51.29%; H 4.30%; O 44.41%
Biological Source: Isol. from chestnut galls (*Castanea crenata*)
Physical Description: Needles + 2H₂O (H₂O)
Melting Point: Mp 195-197 dec.°
Optical Rotation: [α]_D²³ -63.8 (c, 0.99 in MeOH)

References: