



Extra CAS Registry Numbers(s): 1421-65-4

Molecular Formula: C₁₀H₁₃NO₄

Molecular Weight: 211.217

Accurate Mass: 211.084459

Percentage Composition: C 56.87%; H 6.20%; N 6.63%; O 30.30%

Biological Use/Importance: Antiparkinsonian agent. Dopamine receptor agonist

Development Status: Launched 1999 (Italy)

Melting Point: Mp 170.5-171.5° (as hydrochloride)

Optical Rotation: [α]_D²²+14.7 (c, 12.5 in MeOH) (as hydrochloride)

Other Data: CAS no. refers to the hydrochloride. Prodrug of levodopa

>>Derivative: Et ester

Synonym(s): Etilevodopa

CAS Registry Number: 37178-37-3

Molecular Formula: C₁₁H₁₅NO₄

Molecular Weight: 225.244

Accurate Mass: 225.100109

Percentage Composition: C 58.66%; H 6.71%; N 6.22%; O 28.41%

Biological Use/Importance: Sol. prodrug of levodopa

>>Derivative: Et ester, hydrochloride

CAS Registry Number: 39740-30-2

Physical Description: Cryst. (Et₂O/EtOH)

Melting Point: Mp 126-129°

Optical Rotation: [α]_D²²-8.95 (c, 1.05 in H₂O)

>>Derivative: *N*-Ac

Synonym(s): *N*-Acetyl-3,4-dihydroxyphenylalanine

CAS Registry Number: 19641-90-8

Molecular Formula: C₁₁H₁₃NO₅

Molecular Weight: 239.227

Accurate Mass: 239.079374

Percentage Composition: C 55.23%; H 5.48%; N 5.85%; O 33.44%

Biological Source: Prod. by *Streptomyces akiyoshiensis*

Optical Rotation: [α]_D²⁰+68.2 (c, 1 in MeOH)

Solubility: Sol. H₂O, MeOH

UV: [neutral] $\lambda_{\max}$ 198 (ϵ 34200); 280 (ϵ 2210) (H₂O) (Berdy)

>>Derivative: *O,O,N*-Tribenzoyl

Molecular Formula: C₃₀H₂₃NO₇

Molecular Weight: 509.514

Accurate Mass: 509.147454

Percentage Composition: C 70.72%; H 4.55%; N 2.75%; O 21.98%

Physical Description: Needles (AcOH)

Melting Point: Mp 170°

>>Derivative: 3'-*O*-Sulfate

Synonym(s): 3-(Sulfooxy)tyrosine, 9CI

CAS Registry Number: 96253-55-3

Molecular Formula: C₉H₁₁NO₇S

Molecular Weight: 277.254

Accurate Mass: 277.025624

Percentage Composition: C 38.99%; H 4.00%; N 5.05%; O 40.39%; S 11.57%

Biological Source: Constit. of the brown alga *Ascophyllum nodosum*