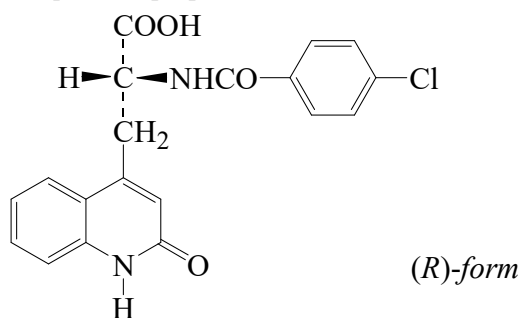




>>Entry Name: Rebamipide, INN, JAN

Synonym(s): α -[(4-Chlorobenzoyl)amino]-1,2-dihydro-2-oxo-4-quinolinepropanoic acid, 9Cl. Mucosta. Proamipide. Pramipide. OPC 12759



CAS Registry Number: 90098-04-7

Related CAS Registry Numbers(s): 111911-87-6

Molecular Formula: C₁₉H₁₅ClN₂O₄

Molecular Weight: 370.791

Accurate Mass: 370.072035

Percentage Composition: C 61.55%; H 4.08%; Cl 9.56%; N 7.56%; O 17.26%

Biological Use/Importance: Inhibits *Helicobacter pylori*-induced gastric mucosal injury; antiulcer agent. Antioxidant. Shows hydroxyl radical scavenging props *in vitro*

Development Status: Launched 1990

Calculated Log P Data: Log P 1.94 (calc)

Hazard & Toxicity: LD_{Lo} (rat, orl) 5000 mg/kg. LD₅₀ (rat, ivn) 700 mg/kg

>>Variant: (R)-form

CAS Registry Number: 111911-90-1

Molecular Formula: C₁₉H₁₅ClN₂O₄

Molecular Weight: 370.791

Accurate Mass: 370.072035

Percentage Composition: C 61.55%; H 4.08%; Cl 9.56%; N 7.56%; O 17.26%

Physical Description: Needles (DMF aq.)

Melting Point: Mp 305-306 dec.°

Optical Rotation: $[\alpha]_D^{20} +116.9$ (c, 1 in DMF)

Other Data: More active enantiomer

>>Variant: (±)-form

CAS Registry Number: 111911-87-6

Molecular Formula: C₁₉H₁₅ClN₂O₄

Molecular Weight: 370.791

Accurate Mass: 370.072035

Percentage Composition: C 61.55%; H 4.08%; Cl 9.56%; N 7.56%; O 17.26%

Physical Description: Powder + ½ H₂O (DMF aq.)

Melting Point: Mp 288-290 dec.°

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