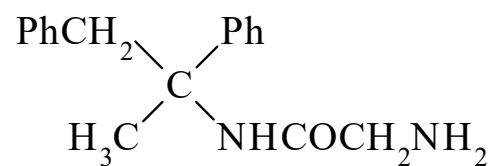




>>Entry Name: Remacemide, INN

Synonym(s): 2-Amino-*N*-(1-methyl-1,2-diphenylethyl)acetamide, 9CI



CAS Registry Number: 135252-01-6

Related CAS Registry Numbers(s): 118754-13-5 118754-15-7

Molecular Formula: C₁₇H₂₀N₂O

Molecular Weight: 268.358

Accurate Mass: 268.157563

Percentage Composition: C 76.09%; H 7.51%; N 10.44%; O 5.96%

Use/Importance: *N*-Methyl-D-aspartate receptor ion channel antagonist. Exp. antiparkinsonian activity. Antiepileptic agent, anticonvulsant

Calculated Log P Data: Log P 2.23 (uncertain value) (calc)

Other Data: The amide bond hydrol. *in vivo*

>>Variant: (+)-form

Synonym(s): PR 1032644. FPL 14144

CAS Registry Number: 118754-12-4

Molecular Formula: C₁₇H₂₀N₂O

Molecular Weight: 268.358

Accurate Mass: 268.157563

Percentage Composition: C 76.09%; H 7.51%; N 10.44%; O 5.96%

>>Derivative: Fumarate

Melting Point: Mp 169-170°

Optical Rotation: [α]_D +10.3 (c, 2 in MeOH)

>>Variant: (–)-form

Synonym(s): PR 1032646. FPL 14145

CAS Registry Number: 118754-14-6

Molecular Formula: C₁₇H₂₀N₂O

Molecular Weight: 268.358

Accurate Mass: 268.157563

Percentage Composition: C 76.09%; H 7.51%; N 10.44%; O 5.96%

Other Data: Pharmacol. active isomer

>>Derivative: Fumarate

Melting Point: Mp 171-172°

Optical Rotation: [α]_D –9.4 (c, 2 in MeOH)

>>Variant: (±)-form

Synonym(s): PR 934423. FPL 12924AA

CAS Registry Number: 128298-28-2

Molecular Formula: C₁₇H₂₀N₂O

Molecular Weight: 268.358

Accurate Mass: 268.157563

Percentage Composition: C 76.09%; H 7.51%; N 10.44%; O 5.96%

Calculated Log P Data: Log P 2.23 (uncertain value) (calc)

Hazard & Toxicity: LD₅₀ (rat, orl) 983 mg/kg