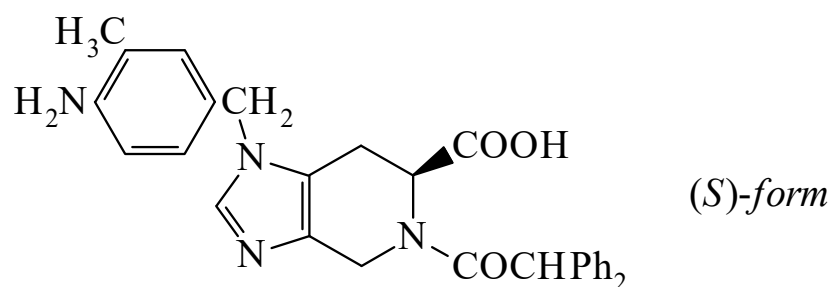




>>Entry Name: 1-[(4-Amino-3-methylphenyl)methyl]-5-(diphenylacetyl)-4,5,6,7-tetrahydro-1*H*-imidazo[4,5-*c*]pyridine-6-carboxylic acid, 9CI
Synonym(s): EXP 655. PD 123177. WL13



CAS Registry Number: 114785-12-5
Related CAS Registry Numbers(s): 114785-11-4

Molecular Formula: C₂₉H₂₈N₄O₃
Molecular Weight: 480.565
Accurate Mass: 480.216141
Percentage Composition: C 72.48%; H 5.87%; N 11.66%; O 9.99%
Use/Importance: Angiotensin II AT₂-receptor antagonist. Potentially useful for the definition and study of angiotensin II receptor subtypes

>>Variant: (*S*)-form

CAS Registry Number: 136676-90-9
Molecular Formula: C₂₉H₂₈N₄O₃
Molecular Weight: 480.565
Accurate Mass: 480.216141
Percentage Composition: C 72.48%; H 5.87%; N 11.66%; O 9.99%
Physical Description: Solid
Melting Point: Mp 157-160° (glass). Mp 200-205 dec.°
Optical Rotation: $[\alpha]_D^{23} +15.9$ (c, 1.30 in DMF)

>>Derivative: Me ester

CAS Registry Number: 136677-04-8
Molecular Formula: C₃₀H₃₀N₄O₃
Molecular Weight: 494.592
Accurate Mass: 494.231791
Percentage Composition: C 72.85%; H 6.11%; N 11.33%; O 9.70%
Physical Description: Foam

>>Derivative: *N,N*-Di-Me
Synonym(s): PD 123319. WL15

CAS Registry Number: 130663-39-7

Molecular Formula: C₃₁H₃₂N₄O₃
Molecular Weight: 508.619
Accurate Mass: 508.247441
Percentage Composition: C 73.21%; H 6.34%; N 11.02%; O 9.44%
Use/Importance: Angiotensin II AT₂-receptor antagonist
Melting Point: Mp 200 dec.°
Optical Rotation: $[\alpha]_D^{23} +19$ (c, 0.97 in DMF)

References:

Eur. Pat., 1987, Warner-Lambert, 245 637; *CA*, **109**, 73432w, (*synth, pharmacol, deriv*)
Blankley, C.J. *et al.*, *J. Med. Chem.*, 1991, **34**, 3248, (*synth, pmr, ir, pharmacol, deriv*)
Van Meel, J.C.A. *et al.*, *Arzneim.-Forsch.*, 1993, **43**, 242, (*rev, pharmacol*)
Macari, D. *et al.*, *Eur. J. Pharmacol.*, 1993, **249**, 85; 1994, **259**, 27, (*pharmacol*)
Dudley, D.T. *et al.*, *Regul. Pept.*, 1993, **44**, 199; 207, (*PD 123319*)