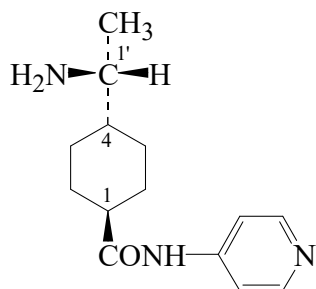




>>Entry Name: 4-(1-Aminoethyl)-N-4-pyridinylcyclohexanecarboxamide, 9Cl

Synonym(s): Y 27632



(1'R,1RS,4RS)-form

Related CAS Registry Numbers(s): 129758-26-5 149117-71-5

Molecular Formula: C₁₄H₂₁N₃O

Molecular Weight: 247.339

Accurate Mass: 247.168462

Percentage Composition: C 67.99%; H 8.56%; N 16.99%; O 6.47%

Biological Use/Importance: Rho-dependent kinase inhibitor

>>Variant: (1'R,1RS,4RS)-form

Synonym(s): (+)-trans-form

CAS Registry Number: 146986-50-7

Molecular Formula: C₁₄H₂₁N₃O

Molecular Weight: 247.339

Accurate Mass: 247.168462

Percentage Composition: C 67.99%; H 8.56%; N 16.99%; O 6.47%

Biological Use/Importance: Pharmacol. active isomer

>>Derivative: Hydrochloride (1:2)

CAS Registry Number: 129830-38-2

Melting Point: Mp 276° (dec.)

Optical Rotation: $[\alpha]_D^{23} +4.6$ (c, 1 in MeOH)

>>Variant: (1'S,1RS,4RS)-form

Synonym(s): (-)-trans-form

CAS Registry Number: 146986-51-8

Molecular Formula: C₁₄H₂₁N₃O

Molecular Weight: 247.339

Accurate Mass: 247.168462

Percentage Composition: C 67.99%; H 8.56%; N 16.99%; O 6.47%

>>Derivative: Hydrochloride (1:2)

CAS Registry Number: 129830-39-3

Melting Point: Mp 279° (dec.)

Optical Rotation: $[\alpha]_D -4.9$ (c, 0.7 in MeOH)

References:

Eur. Pat., 1990, Yoshitomi, 370 498; *CA*, **113**, 171894a, (*synth, isomers, pharmacol*)

Uehata, M. *et al.*, *Nature (London)*, 1997, **389**, 990-994, (*pharmacol*)

Kuwahara, K. *et al.*, *FEBS Lett.*, 1999, **452**, 314-318, (*pharmacol*)