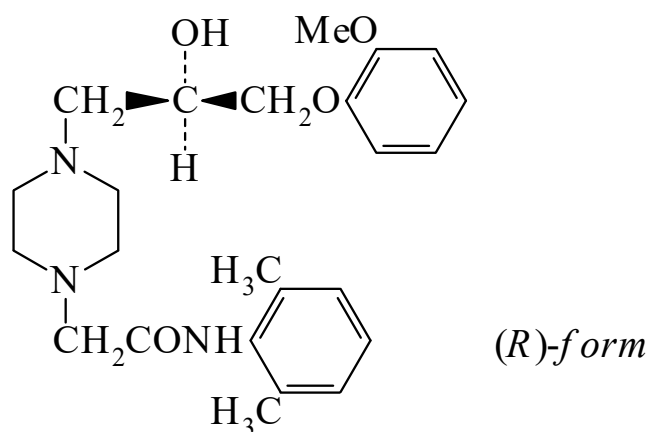




>>Entry Name: Ranolazine, INN

Synonym(s): *N*-(2,6-Dimethylphenyl)-4-[2-hydroxy-3-(2-methoxyphenoxy)propyl]-1-piperazineacetamide, 9CI



CAS Registry Number: 142387-99-3

Molecular Formula: C₂₄H₃₃N₃O₄

Molecular Weight: 427.542

Accurate Mass: 427.247107

Percentage Composition: C 67.42%; H 7.78%; N 9.83%; O 14.97%

Use/Importance: α₁-Adrenoreceptor upregulation inhibitor. Antianginal agent. Calcium regulator. Cardioprotective

Calculated Log P Data: Log P 2.56 (calc)

>>Variant: (*R*)-form

CAS Registry Number: 114246-80-9

Molecular Formula: C₂₄H₃₃N₃O₄

Molecular Weight: 427.542

Accurate Mass: 427.247107

Percentage Composition: C 67.42%; H 7.78%; N 9.83%; O 14.97%

>>Derivative: Hydrochloride (1:2)

Melting Point: Mp 220-222°

Optical Rotation: [α]_D²⁵ +9.84 (MeOH)

>>Variant: (*S*)-form

CAS Registry Number: 114246-81-0

Molecular Formula: C₂₄H₃₃N₃O₄

Molecular Weight: 427.542

Accurate Mass: 427.247107

Percentage Composition: C 67.42%; H 7.78%; N 9.83%; O 14.97%

>>Derivative: Hydrochloride (1:2)

Melting Point: Mp 226-230°

Optical Rotation: [α]_D²⁵ -10.3 (MeOH)

>>Variant: (±)-form

CAS Registry Number: 95635-55-5

Molecular Formula: C₂₄H₃₃N₃O₄

Molecular Weight: 427.542

Accurate Mass: 427.247107

Percentage Composition: C 67.42%; H 7.78%; N 9.83%; O 14.97%

Physical Description: Oil

>>Derivative: Hydrochloride (1:2)

Synonym(s): Ranolazine hydrochloride, USAN

CAS Registry Number: 95635-56-6

Melting Point: Mp 224-225° (hemihydrate)

References: