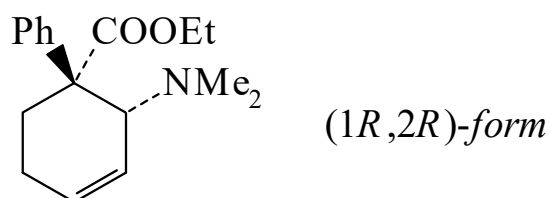




>>Entry Name: Tilidine, INN

Synonym(s): Ethyl 2-(dimethylamino)-1-phenyl-3-cyclohexene-1-carboxylate, 9Cl, 8Cl. **Tilidate**, BAN. Perdolat. Many other names



Molecular Formula: C₁₇H₂₃NO₂

Molecular Weight: 273.374

Accurate Mass: 273.172879

Percentage Composition: C 74.69%; H 8.48%; N 5.12%; O 11.71%

Use/Importance: Analgesic

Development Status: Discontinued

Calculated Log P Data: Log P 3.54 (calc)

>>Variant: (1*R*,2*R*)-form

Synonym(s): **Dextilidine**, INN. W 41261P

CAS Registry Number: 32447-90-8

Molecular Formula: C₁₇H₂₃NO₂

Molecular Weight: 273.374

Accurate Mass: 273.172879

Percentage Composition: C 74.69%; H 8.48%; N 5.12%; O 11.71%

Melting Point: Mp 56-57.5°

Optical Rotation: $[\alpha]_D^{20} +464$ (c, 5 in MeOH)

Other Data: Pharmacol. active isomer

>>Variant: (1*S*,2*S*)-form

Molecular Formula: C₁₇H₂₃NO₂

Molecular Weight: 273.374

Accurate Mass: 273.172879

Percentage Composition: C 74.69%; H 8.48%; N 5.12%; O 11.71%

Melting Point: Mp 58-59°

Optical Rotation: $[\alpha]_D^{20} -448$ (c, 5 in MeOH)

>>Derivative: Hydrochloride

Physical Description: Hygroscopic needles

Melting Point: Mp 175-176°

Optical Rotation: $[\alpha]_D^{20} +312.6$ (c, 2.8 in H₂O)

>>Variant: (1*RS*,2*RS*)-form

CAS Registry Number: 20380-58-9

Molecular Formula: C₁₇H₂₃NO₂

Molecular Weight: 273.374

Accurate Mass: 273.172879

Percentage Composition: C 74.69%; H 8.48%; N 5.12%; O 11.71%

Boiling Point: Bp_{0.01} 95.5-96°

>>Derivative: Hydrochloride

Synonym(s): **Tilidine hydrochloride**, USAN. Valron

CAS Registry Number: 27107-79-5

Physical Description: Cryst. (EtOAc/MeCOEt)

Melting Point: Mp 162°

Hazard & Toxicity: LD₅₀ (rat, orl) 418 mg/kg. Exp. reprod. effects