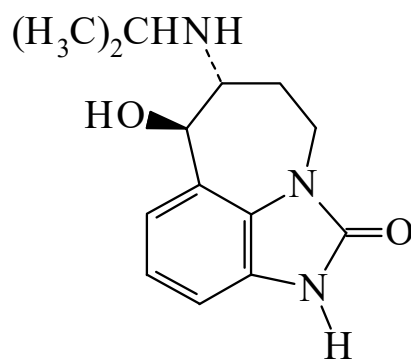




>>Entry Name: Zilpaterol, INN

Synonym(s): 4,5,6,7-Tetrahydro-7-hydroxy-6-[(1-methylethyl)amino]imidazo[4,5,1-*jk*][1]benzazepin-2(1*H*)-one, 9Cl



CAS Registry Number: 117827-79-9

Molecular Formula: C₁₄H₁₉N₃O₂

Molecular Weight: 261.323

Accurate Mass: 261.147727

Percentage Composition: C 64.35%; H 7.33%; N 16.08%; O 12.24%

Use/Importance: β_2 -Adrenoceptor agonist. Used as an animal growth stimulant

>>Variant: (6*RS*,7*RS*)-form

Synonym(s): ($\pm$)-*trans*-form

CAS Registry Number: 119520-05-7

Molecular Formula: C₁₄H₁₉N₃O₂

Molecular Weight: 261.323

Accurate Mass: 261.147727

Percentage Composition: C 64.35%; H 7.33%; N 16.08%; O 12.24%

>>Derivative: Hydrochloride

CAS Registry Number: 119520-06-8

Physical Description: Cryst. (MeOH/EtOAc)

Melting Point: Mp 270°

References:

Eur. Pat., 1987, *Roussel-UCLAF*, 107 569; *CA*, **101**, 151846k, (*synth*)

Eur. Pat., 1988, *Roussel-UCLAF*, 272 976; *CA*, **110**, 134164e, (*use*)

Fr. Pat., 1990, *Roussel-UCLAF*, 2 647 310; *CA*, **114**, 246296p, (*use*)