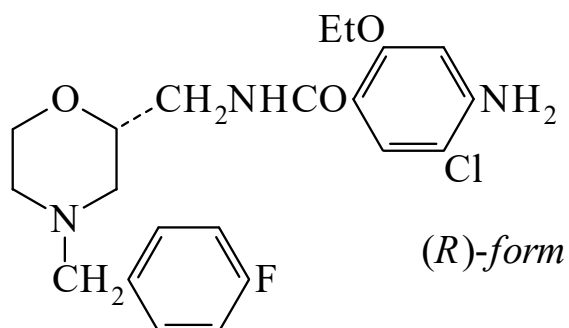




>>Entry Name: Mosapride, INN

Synonym(s): 4-Amino-5-chloro-2-ethoxy-*N*-[[[4-[(4-fluorophenyl)methyl]-2-morpholinyl]methyl]benzamide, 9Cl. AS 4370. Gasmotin



CAS Registry Number: 112885-41-3

Related CAS Registry Numbers(s): 112885-42-4 112885-43-5 131322-37-7

Molecular Formula: C₂₁H₂₅ClFN₃O₃

Molecular Weight: 421.898

Accurate Mass: 421.156847

Percentage Composition: C 59.78%; H 5.97%; Cl 8.40%; F 4.50%; N 9.96%; O 11.38%

Use/Importance: 5-HT₄-receptor agonist, free from D₂-receptor antagonistic activity. Gastric motility stimulant

Development Status: Launched in Japan (1998)

Other Data: Enantiomers show similar pharmacol. activity

>>Variant: (*R*)-form

CAS Registry Number: 156925-24-5

Molecular Formula: C₂₁H₂₅ClFN₃O₃

Molecular Weight: 421.898

Accurate Mass: 421.156847

Percentage Composition: C 59.78%; H 5.97%; Cl 8.40%; F 4.50%; N 9.96%; O 11.38%

Physical Description: Cryst. (EtOH/Et₂O)

Melting Point: Mp 122-124°

Optical Rotation: $[\alpha]_D^{26} +27.8$ (c, 1.0 in MeOH)

>>Derivative: Citrate salt

CAS Registry Number: 156925-26-7

Melting Point: Mp 123-126°

Optical Rotation: $[\alpha]_D^{26} +22.8$ (c, 1.0 in MeOH)

>>Variant: (*S*)-form

CAS Registry Number: 156925-23-4

Molecular Formula: C₂₁H₂₅ClFN₃O₃

Molecular Weight: 421.898

Accurate Mass: 421.156847

Percentage Composition: C 59.78%; H 5.97%; Cl 8.40%; F 4.50%; N 9.96%; O 11.38%

Physical Description: Cryst. (EtOH/Et₂O)

Melting Point: Mp 122-124°

Optical Rotation: $[\alpha]_D^{26} -29.8$ (c, 1.0 in MeOH)

>>Derivative: Citrate salt

CAS Registry Number: 156925-25-6

Physical Description: Cryst. (EtOH)

Melting Point: Mp 123-126°

Optical Rotation: $[\alpha]_D^{26} -22.8$ (c, 1.0 in MeOH)

>>Variant: (±)-form

CAS Registry Number: 144256-27-9

Molecular Formula: C₂₁H₂₅ClFN₃O₃

Molecular Weight: 421.898

Accurate Mass: 421.156847

Percentage Composition: C 59.78%; H 5.97%; Cl 8.40%; F 4.50%; N 9.96%; O 11.38%

Melting Point: Mp 150-151°