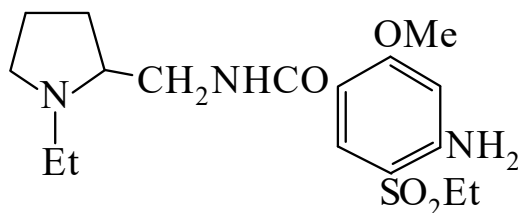




>> **Name:** Amisulpride, BAN, INN

Synonym(s): 4-Amino-*N*-[(1-ethyl-2-pyrrolidinyl)methyl]-5-(ethylsulfonyl)-2-methoxybenzamide, 9Cl. 4-Amino-*N*-[(1-ethyl-2-pyrrolidinyl)methyl]-5-(ethylsulfonyl)-*o*-anisamide. Aminosultopride. Deniban. Enorden. Majorem. Socian. Solian. AST. DAN 2163



CAS Registry Number: 71675-85-9

Related CAS Registry Numbers(s): 81342-13-4

Molecular Formula: C₁₇H₂₇N₃O₄S

Molecular Weight: 369.484

Accurate Mass: 369.172227

Percentage Composition: C 55.26%; H 7.37%; N 11.37%; O 17.32%; S 8.68%

Use/Importance: Dopamine D₂/D₃-receptor antagonist. Antiemetic and spasmolytic agent; psychotherapeutic (autism); antipsychotic, neuroleptic agent

Development Status: Launched 1986

Calculated Log P Data: Log P 1.73 (calc)

Hazard & Toxicity: LD₅₀ (mus, ipr) 175 mg/kg

>> **Variant:** (+)-form

CAS Registry Number: 71675-90-6

Molecular Formula: C₁₇H₂₇N₃O₄S

Molecular Weight: 369.484

Accurate Mass: 369.172227

Percentage Composition: C 55.26%; H 7.37%; N 11.37%; O 17.32%; S 8.68%

>> **Derivative:** Tartrate

CAS Registry Number: 71675-91-7

Physical Description: Cryst. (MeOH)

Melting Point: Mp 98-108°

Optical Rotation: [α]_D²⁰ +7.5 (c, 0.5 in H₂O)

>> **Variant:** (–)-form

CAS Registry Number: 71675-92-8

Molecular Formula: C₁₇H₂₇N₃O₄S

Molecular Weight: 369.484

Accurate Mass: 369.172227

Percentage Composition: C 55.26%; H 7.37%; N 11.37%; O 17.32%; S 8.68%

Other Data: More pharmacol. active isomer

>> **Derivative:** Tartrate

CAS Registry Number: 72005-57-3

Physical Description: Cryst. (MeOH)

Melting Point: Mp 100°

Optical Rotation: [α]_D²⁰ –6.3 (c, 5 in H₂O)

>> **Variant:** (±)-form

CAS Registry Number: 97229-16-8

Molecular Formula: C₁₇H₂₇N₃O₄S

Molecular Weight: 369.484

Accurate Mass: 369.172227

Percentage Composition: C 55.26%; H 7.37%; N 11.37%; O 17.32%; S 8.68%

Physical Description: Cryst. (Me₂CO)

Melting Point: Mp 126-127°

References: