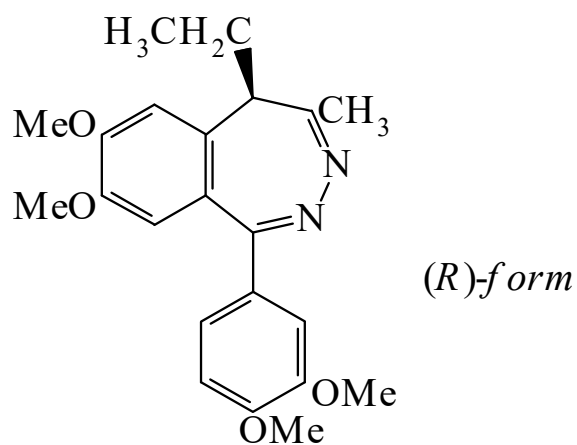




>>Entry Name: Tofisopam, INN, JAN

Synonym(s): 1-(3,4-Dimethoxyphenyl)-5-ethyl-7,8-dimethoxy-4-methyl-5H-2,3-benzodiazepine, 9Cl. Grandaxine. Grandexin. Felicyl. Seriel. Tavor. Egyt 341. SD 19050



CAS Registry Number: 22345-47-7

Molecular Formula: $C_{22}H_{26}N_2O_4$

Molecular Weight: 382.458

Accurate Mass: 382.189258

Percentage Composition: C 69.09%; H 6.85%; N 7.32%; O 16.73%

Use/Importance: Benzodiazepine receptor agonist. Tranquilliser

Hazard & Toxicity: LD₅₀ (rat, orl) 825 mg/kg. Exp. reprod. effects

>>Variant: (R)-form

CAS Registry Number: 82059-50-5

Molecular Formula: $C_{22}H_{26}N_2O_4$

Molecular Weight: 382.458

Accurate Mass: 382.189258

Percentage Composition: C 69.09%; H 6.85%; N 7.32%; O 16.73%

Melting Point: Mp 145°

Optical Rotation: $[\alpha]_{Hg546}^{22} +250$ (c, 3 in $CHCl_3$)

>>Variant: (S)-form

CAS Registry Number: 82059-51-6

Molecular Formula: $C_{22}H_{26}N_2O_4$

Molecular Weight: 382.458

Accurate Mass: 382.189258

Percentage Composition: C 69.09%; H 6.85%; N 7.32%; O 16.73%

Melting Point: Mp 142°

Optical Rotation: $[\alpha]_{Hg546}^{20} -265$ (c, 3 in $CHCl_3$)

>>Variant: (±)-form

CAS Registry Number: 87555-18-8

Molecular Formula: $C_{22}H_{26}N_2O_4$

Molecular Weight: 382.458

Accurate Mass: 382.189258

Percentage Composition: C 69.09%; H 6.85%; N 7.32%; O 16.73%

Physical Description: Cryst. (2-propanol)

Melting Point: Mp 156-157°

>>Derivative: Hydrochloride

Physical Description: Cryst. (MeOH)

Melting Point: Mp 220-221 dec.°

>>Derivative: Picrate

Physical Description: Cryst. (EtOH)

Melting Point: Mp 206-209 dec.°

References: