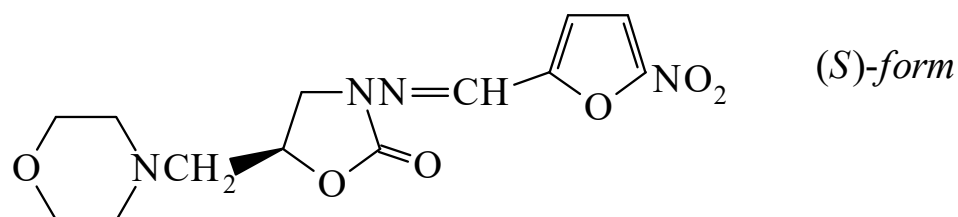




>>Entry Name: Furaltadone, BAN, INN

Synonym(s): 5-(4-Morpholinylmethyl)-3-[[[(5-nitro-2-furanyl)methylene]amino]-2-oxazolidinone, 9CI. 5-(Morpholinomethyl)-3-[(5-nitrofurfurylidene)amino]-2-oxazolidinone, 8CI. Furasol. Furazolin. Furmethonol. Nitrofuraltadone. Nitrofurmethone. Valsyn. Many other names



CAS Registry Number: 139-91-3

Molecular Formula: C₁₃H₁₆N₄O₆

Molecular Weight: 324.293

Accurate Mass: 324.106986

Percentage Composition: C 48.15%; H 4.97%; N 17.28%; O 29.60%

Biological Use/Importance: Antibacterial, antiprotozoal agent

Calculated Log P Data: Log P 0.05 (uncertain value) (calc)

Hazard & Toxicity: LD₅₀ (mus, ipr) 1000 mg/kg

Sigma: F9130

>>Variant: (S)-form

Synonym(s): Levofuraltadone, INN, USAN. NF 602. NSC 527986

CAS Registry Number: 3795-88-8

Molecular Formula: C₁₃H₁₆N₄O₆

Molecular Weight: 324.293

Accurate Mass: 324.106986

Percentage Composition: C 48.15%; H 4.97%; N 17.28%; O 29.60%

Physical Description: Cryst. (2-propanol/MeNO₂)

Development Status: Never marketed

Melting Point: Mp 208-209°

Optical Rotation: [α]_D²⁴ -56 (c, 0.2 in AcOH)

Other Data: Pharmacol. active isomer

>>Variant: (±)-form

Molecular Formula: C₁₃H₁₆N₄O₆

Molecular Weight: 324.293

Accurate Mass: 324.106986

Percentage Composition: C 48.15%; H 4.97%; N 17.28%; O 29.60%

Physical Description: Yellow cryst. (EtOH)

Melting Point: Mp 206 dec.°

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