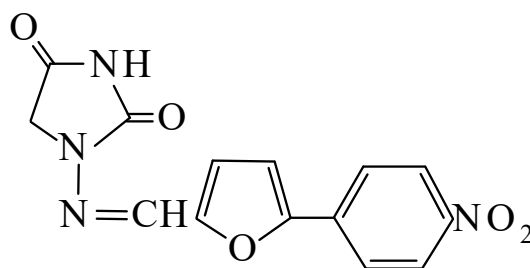




>>Entry Name: **Dantrolene**, BAN, INN, USAN

Synonym(s): 1-[[[5-(4-Nitrophenyl)-2-furanyl]methylene]amino]-2,4-imidazolidinedione, 9Cl. 1-[[5-(*p*-Nitrophenyl)furfurylidene]amino]hydantoin, 8Cl. F 368



CAS Registry Number: 7261-97-4

Molecular Formula: C₁₄H₁₀N₄O₅

Molecular Weight: 314.257

Accurate Mass: 314.065121

Percentage Composition: C 53.51%; H 3.21%; N 17.83%; O 25.46%

Use/Importance: Skeletal muscle relaxant. Used to treat malignant hyperthermia

Physical Description: Cryst. (DMF aq.)

Melting Point: Mp 279-280°

>>Derivative: Na salt

Synonym(s): **Dantrolene sodium**, JAN, USAN. Dantamacrin. Dantralen. Dantrium. Dantrix. F 440

CAS Registry Number: 14663-23-1

Extra CAS Registry Numbers(s): 24868-20-0

Physical Description: Orange powder + 3½ H₂O

Solubility: Sol. alkalis

Hazard & Toxicity: Adverse effects when used therapeutically incl. drowsiness, dizziness, muscle weakness, and occasionally hepatotoxicity. LD₅₀ (rat, orl) 7432 mg/kg
Exp. reprod. and teratogenic effects

Sigma: D5160

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