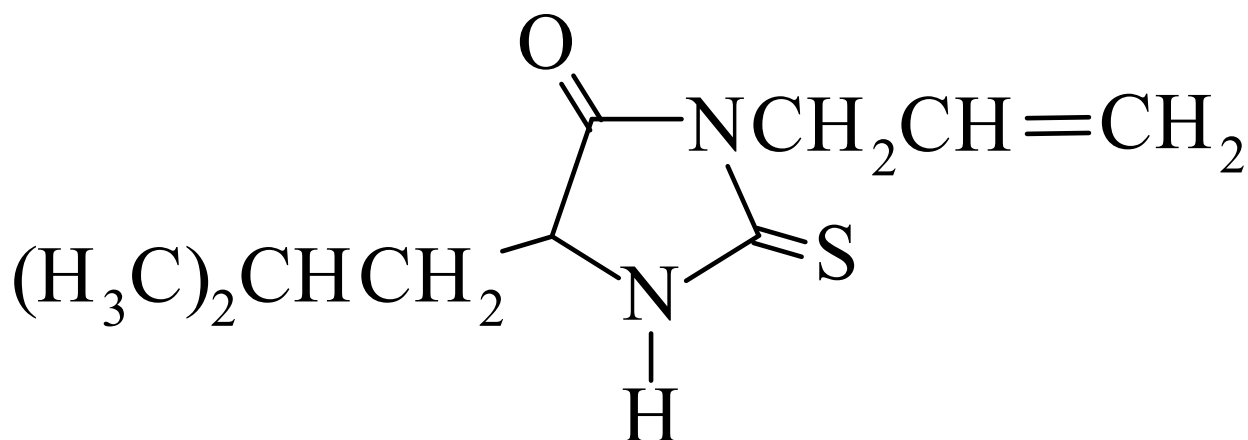




>>Entry Name: Albutoin, INN, USAN

Synonym(s): 5-(2-Methylpropyl)-3-(2-propenyl)-2-thioxo-4-imidazolidinone, 9Cl. 3-Allyl-5-isobutyl-2-thiohydantoin, 8Cl. Co-ord. Euprax. BAX 422Z



CAS Registry Number: 830-89-7

Molecular Formula: C₁₀H₁₆N₂OS

Molecular Weight: 212.315

Accurate Mass: 212.098333

Percentage Composition: C 56.57%; H 7.60%; N 13.19%; O 7.54%; S 15.10%

Use/Importance: Fog inhibitor in photography

Biological Use/Importance: Anticonvulsant

Hazard & Toxicity: LD₅₀ (mus, orl) 785 mg/kg

>>Variant: (±)-form

Molecular Formula: C₁₀H₁₆N₂OS

Molecular Weight: 212.315

Accurate Mass: 212.098333

Percentage Composition: C 56.57%; H 7.60%; N 13.19%; O 7.54%; S 15.10%

Physical Description: Cryst.

Melting Point: Mp 210-211°

References:

- Koseki, Y. *et al.*, *Nippon Shashin Gakkaishi*, 1951, **13**, 33, (*synth, use*)
Gesler, R.M. *et al.*, *Toxicol. Appl. Pharmacol.*, 1961, **3**, 107, (*pharmacol*)
Millichap, J.G., *Antiepileptic Drugs*, Raven Press, N.Y., 1972, 275, (*rev*)
Nowak, K., *Pol. J. Chem. (Rocz. Chem.)*, 1973, **47**, 2377, (*synth*)
Cereghino, J.J. *et al.*, *Clin. Pharmacol. Ther. (St. Louis)*, 1974, **15**, 406, (*clin trial*)
Martindale, *The Extra Pharmacopoeia*, 28th/29th edn., Pharmaceutical Press, 1982, 6603