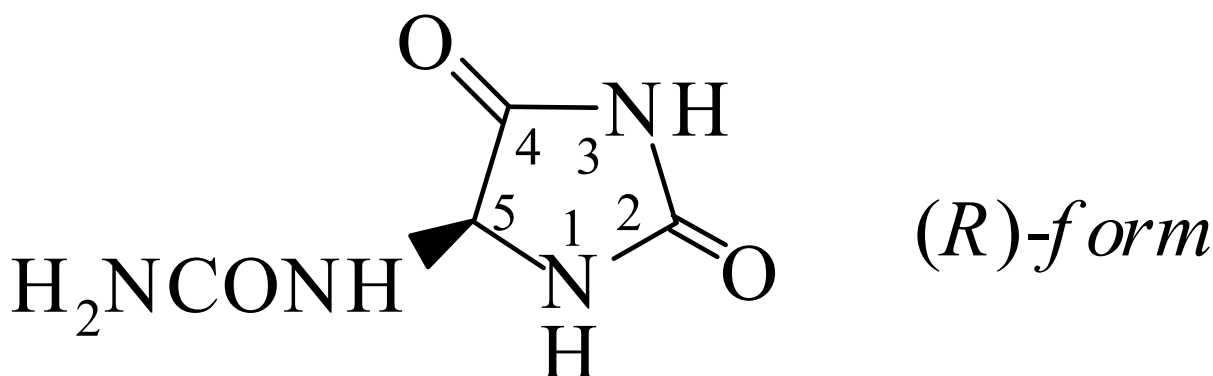




>>Entry Name: Allantoin, BAN, USAN

Synonym(s): (2,5-Dioxo-4-imidazolidinyl)urea, 9CI. 5-Ureido-2,4-imidazolidinedione. Glyoxylic diureide. 5-Ureidohydantoin. Dermalex. Cordianin. Actinac. Alphosyl



CAS Registry Number: 97-59-6

Related CAS Registry Numbers(s): 61504-48-1

Molecular Formula: $\text{C}_4\text{H}_6\text{N}_4\text{O}_3$

Molecular Weight: 158.116

Accurate Mass: 158.043991

Percentage Composition: C 30.39%; H 3.82%; N 35.43%; O 30.36%

Biological Source: Occurs in allantoinic fluid. A product of purine metabolism. V. widely distributed in biol. systems, isol. from numerous plants. Formed in animals, except primates, by enzymic oxidn. of Uric acid [JZR60-K](#)

Use/Importance: Antiinflammatory, antipsoriatic (disputed), topical vulnerary agent. Promotes wound healing

Calculated Log P Data: Log P -1.54 (calc)

Other Data: Component of numerous preps. Actinac, Alphosyl, Dermalex

Aldrich: A2839-2

Fluka: 5670

Rare Chemicals Library: S41862-5

Sigma: A7878

>>Variant: (R)-form

CAS Registry Number: 7303-80-2

Molecular Formula: $\text{C}_4\text{H}_6\text{N}_4\text{O}_3$

Molecular Weight: 158.116

Accurate Mass: 158.043991

Percentage Composition: C 30.39%; H 3.82%; N 35.43%; O 30.36%

Melting Point: Mp 226-229 dec.°