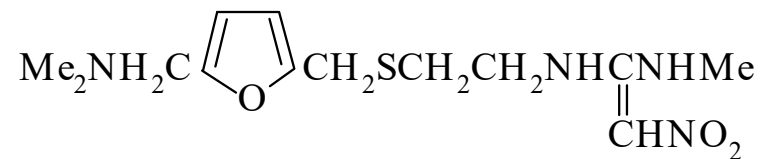




>>Entry Name: Ranitidine, BAN, INN, JAN, USAN

Synonym(s): *N*-[2-[[[5-[(Dimethylamino)methyl]-2-furanyl]methyl]thio]ethyl]-*N'*-methyl-2-nitro-1,1-ethenediamine, 9Cl



CAS Registry Number: 66357-35-5

Molecular Formula: C₁₃H₂₂N₄O₃S

Molecular Weight: 314.408

Accurate Mass: 314.141261

Percentage Composition: C 49.66%; H 7.05%; N 17.82%; O 15.27%; S 10.20%

Biological Use/Importance: Histamine H₂-receptor antagonist. Antiulcer agent, low toxicity

Development Status: Marketed drug. Worldwide 50th best selling prescription drug (as Zantac) (\$0.87 bn) (GlaxoSmithKline) (2000, Pharma Business)

Melting Point: Mp 69-70°

Calculated Log P Data: Log P 1.33 (uncertain value) (calc)

Sigma: R0633

>>Derivative: Hydrochloride

Synonym(s): Ranitidine hydrochloride, JAN, USAN. Azantac. Melfax. Noctone[‡]. Ranaps. Raniben. Ranidil. Raniplex. Rantec. Sostril. Taural. Terposen. Trigger. Ultidine. Zaedoc. Zantac. Zantidon. AH 19065. Many other names

CAS Registry Number: 71130-06-8

Extra CAS Registry Numbers(s): 66357-59-3

Melting Point: Mp 133-134°

>>Derivative: Compd. with bismuth citrate (1:1)

Synonym(s): Ranitidine bismuth citrate, BAN, USAN. Ranitidine bismutrex. Elicodil. Helirad. Pylorid. Pylorisin. Tritec. GR 122311X

CAS Registry Number: 128345-62-0

Molecular Formula: C₁₉H₂₇BiN₄O₁₀S

Molecular Weight: 712.489

Accurate Mass: 712.125165

Percentage Composition: C 32.03%; H 3.82%; Bi 29.33%; N 7.86%; O 22.46%; S 4.50%

Biological Use/Importance: Used in the eradication of *Helicobacter pylori*

Physical Description: No phys. props. reported

Development Status: Launched 1995

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