

Heavy metals (2.4.8): maximum 20 ppm.

1.0 g complies with limit test C. Prepare the reference solution using 2 ml of *lead standard solution* (10 ppm Pb) R.

Loss on drying (2.2.32): maximum 0.75 per cent, determined on 1.000 g by drying under high vacuum at 60 °C.

Sulphated ash (2.4.14): maximum 0.1 per cent, determined on 1.0 g.

ASSAY

Dissolve 0.280 g in 35 ml of *water* R. Titrate with 0.1 M *sodium hydroxide*, determining the end-point potentiometrically (2.2.20).

1 ml of 0.1 M *sodium hydroxide* is equivalent to 35.09 mg of C₁₃H₂₃ClN₄O₃S.

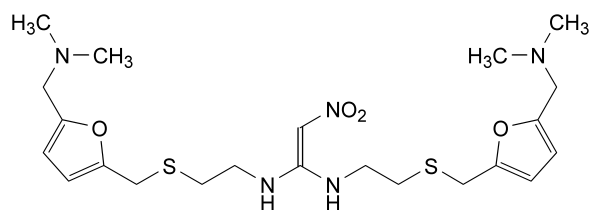
STORAGE

In airtight container, protected from light.

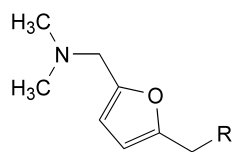
IMPURITIES

Specified impurities: A, B, C, D, E, F, G, H, I, J.

Other detectable impurities: K.



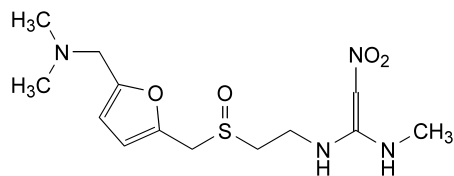
A. *N,N'*-bis[2-[[[5-[(dimethylamino)methyl]furan-2-yl]methyl]sulphanyl]ethyl]-2-nitroethene-1,1-diamine,



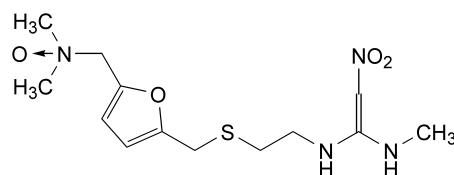
B. R = S-CH₂-CH₂-NH₂: 2-[[[5-[(dimethylamino)methyl]furan-2-yl]methyl]sulphanyl]ethanamine,

D. R = S-CH₂-CH₂-NH-CO-CH₂-NO₂: *N*-[2-[[[5-[(dimethylamino)methyl]furan-2-yl]methyl]sulphanyl]ethyl]-2-nitroacetamide,

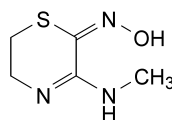
F. R = OH: [5-[(dimethylamino)methyl]furan-2-yl]methanol,



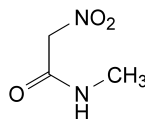
C. *N*-[2-[[[5-[(dimethylamino)methyl]furan-2-yl]methyl]sulphanyl]ethyl]-*N'*-methyl-2-nitroethene-1,1-diamine,



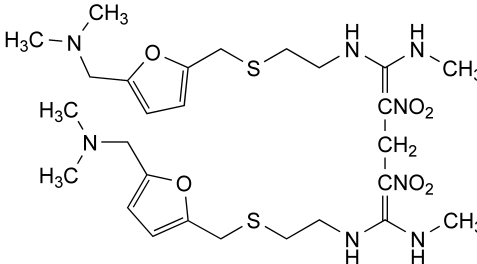
E. *N*-[2-[[[5-[(dimethyloxidoamino)methyl]furan-2-yl]methyl]sulphanyl]ethyl]-*N'*-methyl-2-nitroethene-1,1-diamine,



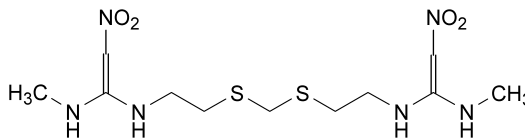
G. 3-(methylamino)-5,6-dihydro-2*H*-1,4-thiazin-2-one-oxime,



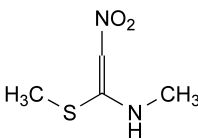
H. *N*-methyl-2-nitroacetamide,



I. 2,2'-methylenebis[*N*-2-[[[5-[(dimethylamino)methyl]furan-2-yl]methyl]sulphanyl]ethyl]-*N'*-methyl-2-nitroethene-1,1-diamine],



J. 1,1'-*N*-[methylenebis(sulphanediylethylene)]bis(*N'*-methyl-2-nitroethene-1,1-diamine),

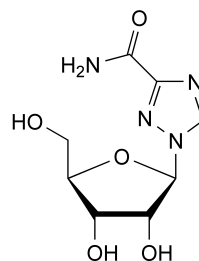


K. *N*-methyl-1-methylthio-2-nitroethenamine.

01/2005:2109
corrected

RIBAVIRIN

Ribavirinum



C₈H₁₂N₄O₅

*M*_r 244.2

DEFINITION

1-β-D-Ribofuranosyl-1*H*-1,2,4-triazole-3-carboxamide.

Content: 98.0 per cent to 102.0 per cent (dried substance).

CHARACTERS

Appearance: white or almost white, crystalline powder.

Solubility: freely soluble in water, slightly soluble in ethanol (96 per cent), slightly soluble or very slightly soluble in methylene chloride.