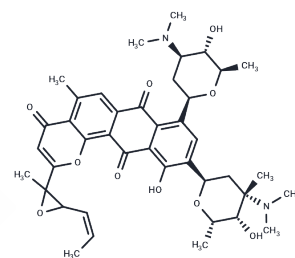


Rubiflavin

Chemical Properties

CAS No. :	11016-71-0
Formula:	C ₄₁ H ₅₀ N ₂ O ₁₀
Molecular Weight:	730.855
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



Biological Description

Description	Rubiflavin is an antitumor antibiotic belonging to the pluramycin family.
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.3683 mL	6.8413 mL	13.6825 mL
5 mM	0.2737 mL	1.3683 mL	2.7365 mL
10 mM	0.1368 mL	0.6841 mL	1.3683 mL
50 mM	0.0274 mL	0.1368 mL	0.2737 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

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White HL, White JR. Hedamycin and rubiflavin complexes with deoxyribonucleic acid and other polynucleotides. Biochemistry. 1969 Mar;8(3):1020-42. PubMed PMID: 4305483.

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Ebringer L. The action of rubiflavin and other cytostatic antibiotics on *Euglena gracilis*. Neoplasma. 1972;19(6): 579-89. PubMed PMID: 4207528.

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