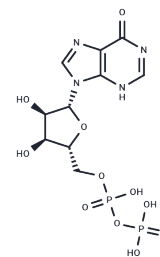


Riboxin

Chemical Properties

CAS No. :	86-04-4
Formula:	C ₁₀ H ₁₄ N ₄ O ₁₁ P ₂
Molecular Weight:	428.19
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	Riboxin (IDP), an orally administered purine derivative known as hypoxanthine riboside, exhibits antihypoxic and antihyperthermic effects. Furthermore, it demonstrates antiarrhythmic properties in cats, rabbits, and mice suffering from Ouabain-induced cardiac rhythm abnormalities. Additionally, Riboxin offers protection to animals from the harmful consequences of γ -irradiation [1] [2].
Targets(IC50)	Apoptosis,Others,c-Myc
In vivo	Riboxin administered orally at a single dose of 250 mg/kg increased swimming time in mice without significantly affecting strength endurance. Under the same conditions, Riboxin enhanced the survival rate of animals in a heat chamber trial [1]. When given orally at 50 mg/kg once daily for six days, Riboxin extended the ambulation time in mice but did not significantly alter swimming or running times [1]. Additionally, a pre-experimental 250 mg/kg oral dose of Riboxin provided significant protection against γ irradiation in mice [1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.3354 mL	11.6771 mL	23.3541 mL
5 mM	0.4671 mL	2.3354 mL	4.6708 mL
10 mM	0.2335 mL	1.1677 mL	2.3354 mL
50 mM	0.0467 mL	0.2335 mL	0.4671 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481