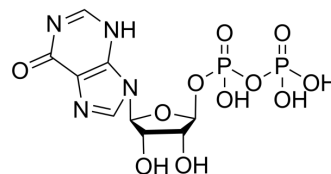


## Riboxin

Cat. No.:	HY-149101
CAS No.:	86-04-4
Molecular Formula:	C <sub>9</sub> H <sub>12</sub> N <sub>4</sub> O <sub>11</sub> P <sub>2</sub>
Molecular Weight:	414.16
Target:	Others
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

<b>Description</b>	Riboxin (IDP), an orally active purine derivative-hypoxanthine riboside, has antihypoxic and antihyperthermic activity. Riboxin also has an antiarrhythmic action in cats, rabbits, and mice with cardiac rhythm disorders induced by Ouabain. Riboxin protects animals against the noxious effects of $\gamma$ -irradiation <sup>[1][2]</sup> .
<b>In Vivo</b>	<p>Riboxin (250 mg/kg; p.o.; single dose) increases the swimming duration of the mice, with no significant influence on the strength endurance. At the same condition, Riboxin increases the rate of survival of the experimental animals in the thermal chamber<sup>[1]</sup>.</p> <p>Riboxin (50 mg/kg; p.o.; once daily for 6 days) increases the hanging duration of the mice, while has no significant effect on the duration of swimming and running<sup>[1]</sup>.</p> <p>Riboxin (100 mg/kg; p.o.; 1 h before test) has appreciable radio protective effect against <math>\gamma</math>-irradiation for mice<sup>[1]</sup>.</p> <p>MCE has not independently confirmed the accuracy of these methods. They are for reference only.</p>

### REFERENCES

- [1]. Sokolov I K, et al. Adaptogenic effect of riboxin[J]. Pharmaceutical Chemistry Journal, 1980, 14(1): 34-39.
- [2]. Veveris M, et al. Experimental study of the antiarrhythmic effect of riboxin. Farmakol. Neirotrofnykh Sredstv (1978), 119-24.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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