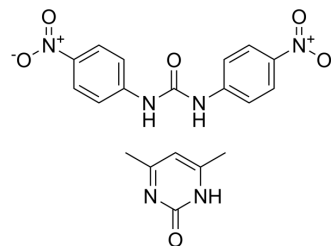


Nicarbazin

Cat. No.:	HY-107814		
CAS No.:	330-95-0		
Molecular Formula:	C ₁₉ H ₁₈ N ₆ O ₆		
Molecular Weight:	426.38		
Target:	Parasite		
Pathway:	Anti-infection		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : 8.93 mg/mL (20.94 mM; Need ultrasonic)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	2.3453 mL	11.7266 mL	23.4533 mL
	5 mM	0.4691 mL	2.3453 mL	4.6907 mL
	10 mM	0.2345 mL	1.1727 mL	2.3453 mL

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description	Nicarbazin is an effective anticoccidial agent for chickens ^[1] .
IC ₅₀ & Target	Coccidia
In Vivo	Nicarbazin does not adversely affect the development of immunity or resistance to re-infection with <i>E. acervulina</i> oocysts ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Ott, W. H., et al. Biological Studies on Nicarbazin, a New Anticoccidial Agent. Poultry Science. 1956. 35(6), 1355-1367.

[2]. CUCKLER AC, et al. The effect of nicarbazin on the development of immunity to avian coccidia. J Parasitol. 1956 Dec;42(6):593-607.

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

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