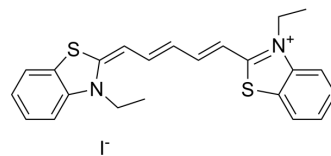


Dithiazanine iodide

Cat. No.:	HY-B1636
CAS No.:	514-73-8
Molecular Formula:	C ₂₃ H ₂₃ IN ₂ S ₂
Molecular Weight:	518.48
Target:	Parasite
Pathway:	Anti-infection
Storage:	4°C, sealed storage, away from moisture and light * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture and light)



SOLVENT & SOLUBILITY

In Vitro

DMSO : 16.67 mg/mL (32.15 mM); ultrasonic and warming and heat to 60°C)

Concentration	Mass		
	1 mg	5 mg	10 mg
1 mM	1.9287 mL	9.6436 mL	19.2871 mL
5 mM	0.3857 mL	1.9287 mL	3.8574 mL
10 mM	0.1929 mL	0.9644 mL	1.9287 mL

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

BIOLOGICAL ACTIVITY

Description

Dithiazanine iodide is an effective broad-spectrum anthelmintic. Dithiazanine iodide can be used for the research of trichuriasis, strongyloidiasis, enterobiasis, ascariasis, and hookworm infection. Dithiazanine iodide is also a cyanine dye^{[1][2]}

REFERENCES

- [1]. SWARTZWELDER JC, et al. Dithiazanine, an effective broad-spectrum anthelmintic; results of therapy of trichuriasis, strongyloidiasis, enterobiasis, ascariasis, and hookworm infection. J Am Med Assoc. 1957 Dec 21;165(16):2063-7.
- [2]. ABADIE SH, et al. A FATALITY ASSOCIATED WITH DITHIAZANINE IODIDE THERAPY. JAMA. 1965 Apr 26;192:326-7.

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

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