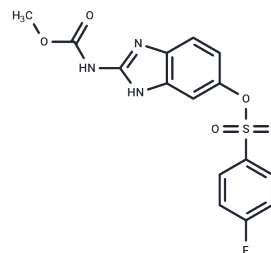


Luxabendazole

Chemical Properties

CAS No. :	90509-02-7
Formula:	C ₁₅ H ₁₂ FN ₃ O ₅ S
Molecular Weight:	365.34
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	Luxabendazole is a benzimidazole carbamate broad-spectrum anthelmintic agent. It has proved to be effective against immature and adult stages of the major gastrointestinal nematodes, cestodes, and trematodes.
Targets(IC50)	Others,Parasite

Solubility Information

Solubility	DMSO: Soluble, (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.7372 mL	13.6859 mL	27.3718 mL
5 mM	0.5474 mL	2.7372 mL	5.4744 mL
10 mM	0.2737 mL	1.3686 mL	2.7372 mL
50 mM	0.0547 mL	0.2737 mL	0.5474 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

- Criado-Fornelio A, de Armas-Serra C, Jimenez-Gonzalez A, Casado-Escribano N, Rodriguez-Caabeiro F. Biochemical effects of luxabendazole on *Trichinella spiralis*. *Parasitol Res.* 1990;76(6):518-20. PubMed PMID: 2381894.
- Kassai T, Takáts C, Fok E, Redl P. Activity of luxabendazole against liver flukes, gastrointestinal roundworms, and lungworms in naturally infected sheep. *Parasitol Res.* 1988;75(1):14-8. PubMed PMID: 2974592.
- Ortiz AI, Alvarez-Bujidos L, Ferre I, Ordóñez D. Pharmacokinetics of luxabendazole after oral and intravenous administration to sheep. *Am J Vet Res.* 1997 Nov;58(11):1263-6. PubMed PMID: 9361890.
- Alvarez-Bujidos ML, Ortiz A, Balaña R, Cubría JC, Ordoñez D, Negro A. Determination of luxabendazole in biological fluids by high-performance liquid chromatography. *J Chromatogr.* 1992 Jul 24;578(2):321-6. PubMed PMID: 1400814.

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