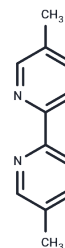


## Abametapir

## Chemical Properties

CAS No. :	1762-34-1
Formula:	C <sub>12</sub> H <sub>12</sub> N <sub>2</sub>
Molecular Weight:	184.24
Storage:	Powder: -20°C for 3 years   In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



## Biological Description

Description	Abametapir (BRN 0123183), a metalloproteinase inhibitor, is able to target metalloproteinases critical to egg hatching and louse development.
Targets(IC50)	MMP,Parasite
In vitro	Bbametapir was 100% ovicidal against eggs of all ages when evaluated at a concentration of 0.37 and 0.55%.

## Solubility Information

Solubility	DMSO: 37 mg/mL (200.83 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 2 mg/mL (10.86 mM),Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

### Preparing Stock Solutions

---

	1mg	5mg	10mg
1 mM	5.4277 mL	27.1385 mL	54.277 mL
5 mM	1.0855 mL	5.4277 mL	10.8554 mL
10 mM	0.5428 mL	2.7139 mL	5.4277 mL
50 mM	0.1086 mL	0.5428 mL	1.0855 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

Bowles VM, Hanegraaf S, Ahveninen T. et al. Effect of a New Head Lice Treatment, Abametapir Lotion, 0.74%, on Louse Eggs: A Randomized, Double-Blind Study. Glob Pediatr Health. 2019 Feb 22.

Bowles, Vernon, M, et al. Clinical studies evaluating abametapir lotion, 0.74%, for the treatment of head louse infestation[J]. Pediatric dermatology, 2018.

**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