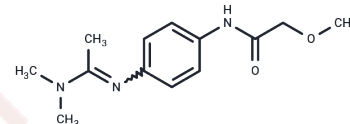


## Amidantel free base

## Chemical Properties

CAS No. :	49745-00-8
Formula:	C <sub>13</sub> H <sub>19</sub> N <sub>3</sub> O <sub>2</sub>
Molecular Weight:	249.31
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	Amidantel free base is a new aminophenylamidine with an interesting anthelmintic spectrum. In rodents the compound is active against nematodes, filariae and cestodes. Of special interest is the high efficacy in dogs against hookworms and large roundworms. Amidantel was well tolerated by all animals tested and did not show teratogenic effects.
Targets(IC50)	Others

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.0111 mL	20.0554 mL	40.1107 mL
5 mM	0.8022 mL	4.0111 mL	8.0221 mL
10 mM	0.4011 mL	2.0055 mL	4.0111 mL
50 mM	0.0802 mL	0.4011 mL	0.8022 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

- Robertson AP, Puttachary S, Buxton SK, Martin RJ. Tribendimidine: mode of action and nAChR subtype selectivity in *Ascaris* and *Oesophagostomum*. *PLoS Negl Trop Dis*. 2015 Feb 13;9(2):e0003495. doi: 10.1371/journal.pntd.0003495. eCollection 2015 Feb. PubMed PMID: 25679515; PubMed Central PMCID: PMC4334517.
- Duthaler U, Keiser J, Huwyler J. LC-MS/MS method for the determination of two metabolites of tribendimidine, deacylated amidantel and its acetylated metabolite in plasma, blood and dried blood spots. *J Pharm Biomed Anal*. 2015 Feb;105:163-73. doi: 10.1016/j.jpba.2014.12.006. Epub 2014 Dec 12. PubMed PMID: 25553533.
- Kulke D, Krücken J, Harder A, von Samson-Himmelstjerna G. Efficacy of cyclooctadepsipeptides and aminophenylamidines against larval, immature and mature adult stages of a parasitologically characterized trichuriasis model in mice. *PLoS Negl Trop Dis*. 2014 Feb 20;8(2):e2698. doi: 10.1371/journal.pntd.0002698. eCollection 2014 Feb. PubMed PMID: 24587460; PubMed Central PMCID: PMC3930511.
- Fontana E, Pignatti A, Ghiglieri A, Battaglia R, Cinato F, Wang C, de Hostos E. Carbon-14 labelled tribendimidine, a broad-spectrum anthelmintic drug. *J Labelled Comp Radiopharm*. 2013 Jul-Aug;56(9-10):471-4. doi: 10.1002/jlcr.3070. Epub 2013 Jul 9. PubMed PMID: 24285523.

**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