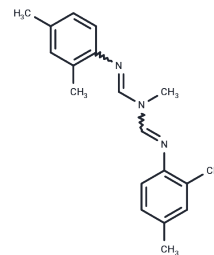


Amitraz

Chemical Properties

| | |
|-------------------|--|
| CAS No. : | 33089-61-1 |
| Formula: | C ₁₉ H ₂₃ N ₃ |
| Molecular Weight: | 293.41 |
| Appearance: | no data available |
| Storage: | store at low temperature |
| | Powder: -20°C for 3 years In solvent: -80°C for 1 year |



Biological Description

| | |
|---------------|--|
| Description | Amitraz (NSC 324552) is a white monoclinic crystals. Melting point 187-189°F (86-87°C). Insoluble in water. Used as an acaricide, insecticide and treatment of demodectic mange in dogs. |
| Targets(IC50) | Adrenergic Receptor,Parasite,Monoamine Oxidase |

Solubility Information

| | |
|------------|--|
| Solubility | DMSO: 50 mg/mL (170.41 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble) |
|------------|--|

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|-------|-----------|-----------|-----------|
| 1 mM | 3.4082 mL | 17.041 mL | 34.082 mL |
| 5 mM | 0.6816 mL | 3.4082 mL | 6.8164 mL |
| 10 mM | 0.3408 mL | 1.7041 mL | 3.4082 mL |
| 50 mM | 0.0682 mL | 0.3408 mL | 0.6816 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.

Reference

Del Pino J, et al. Chem Res Toxicol. 2015 Jun 15;28(6):1073-94.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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