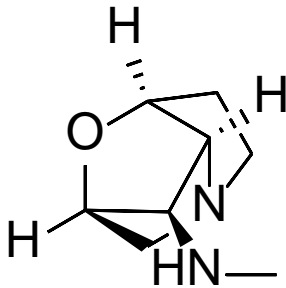


# Product data sheet



|  |   |   |
|--|---|---|
| MedKoo Cat#: 564525<br>Name: Loline<br>CAS: 25161-91-5<br>Chemical Formula: C <sub>8</sub> H <sub>14</sub> N <sub>2</sub> O<br>Exact Mass: 154.1106<br>Molecular Weight: 154.213 |  |   |
| Product supplied as:   |   | Powder  |
| Purity (by HPLC):  |   | ≥ 98%   |
| Shipping conditions  |   | Ambient temperature   |
| Storage conditions:  |   | Powder: -20°C 3 years; 4°C 2 years.<br>In solvent: -80°C 3 months; -20°C 2 weeks. |

## 1. Product description:

Loline is a natural insecticidal and deterrent to a broad range of insects, including species in the Hemiptera, Coleoptera, Hymenoptera, Lepidoptera, and Blattodea orders. Loline deters species such as the bird cherry-oat aphid (genus *Rhopalosiphum*), large milkweed bug (*Oncopeltus fasciatus*), and American cockroach (*Periplaneta americana*), thereby protecting the host plant from insect herbivory.

## 2. CoA, QC data, SDS, and handling instruction

SDS and handling instruction, CoA with copies of QC data (NMR, HPLC and MS analytical spectra) can be downloaded from the product web page under “QC And Documents” section. Note: copies of analytical spectra may not be available if the product is being supplied by MedKoo partners. Whether the product was made by MedKoo or provided by its partners, the quality is 100% guaranteed.

## 3. Solubility data

| Solvent | Max Conc. mg/mL | Max Conc. mM |
|---------|-----------------|--------------|
| TBD     | TBD             | TBD          |

## 4. Stock solution preparation table:

| Concentration / Solvent Volume / Mass | 1 mg    | 5 mg     | 10 mg    |
|---------------------------------------|---------|----------|----------|
| 1 mM                                  | 6.48 mL | 32.42 mL | 64.85 mL |
| 5 mM                                  | 1.30 mL | 6.48 mL  | 12.97 mL |
| 10 mM                                 | 0.65 mL | 3.24 mL  | 6.48 mL  |
| 50 mM                                 | 0.13 mL | 0.65 mL  | 1.30 mL  |

## 5. Molarity Calculator, Reconstitution Calculator, Dilution Calculator

Please refer the product web page under section of “Calculator”

## 6. Recommended literature which reported protocols for in vitro and in vivo study

In vitro study

TBD

In vivo study

TBD

## 7. Bioactivity

Biological target:

Loline is a natural insecticidal and deterrent to a broad range of insects, including species in the Hemiptera, Coleoptera, Hymenoptera, Lepidoptera, and Blattodea orders.

In vitro activity

TBD

In vivo activity

TBD

# Product data sheet



*Note: The information listed here was extracted from literature. MedKoo has not independently retested and confirmed the accuracy of these methods. Customer should use it just for a reference only.*