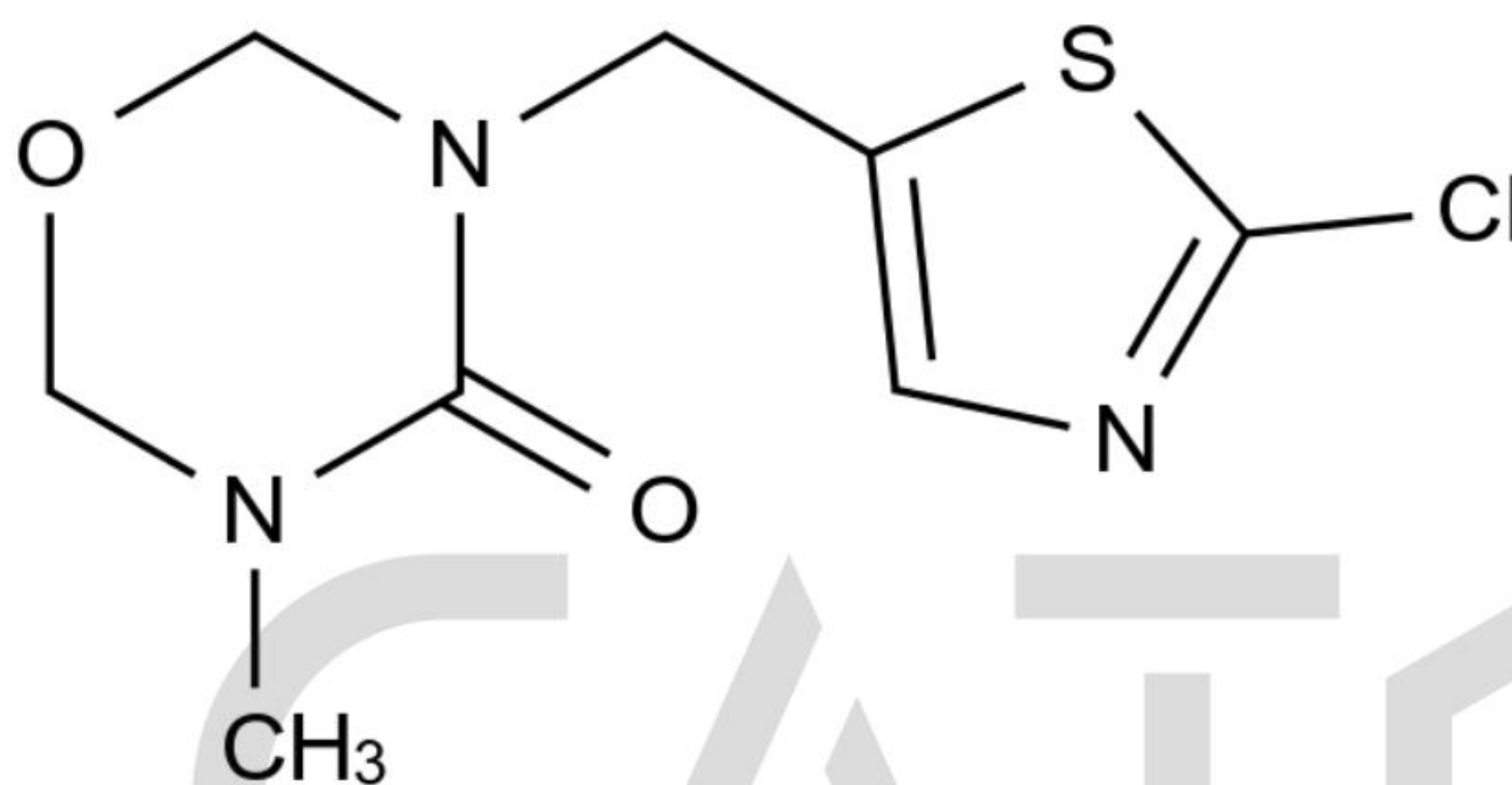


Certificate of Analysis

Reference Material

Product Name:	Thiamethoxam-urea	Catalogue Number:	CCPD101893
Chemical Name:	N/A	Lot Number:	0613-RD-0002
CAS Number:	902493-06-5	Expiry Date:	Sep 17, 2025
Molecular Formula:	C ₈ H ₁₀ ClN ₃ O ₂ S	Storage:	Room Temp Protected from light and Sealed
Molecular Weight:	247.70		

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Off-White Solid
Purity	UPLC	99.59%
Water Content	Karl Fischer	0.4920%
Assay		99.1%
Uncertainty		±2.0%

Comment:

1. No chromatogram available.
2. The calculation of the 100% method follows the formula:

$$\text{Assay (\%)} = (100\% - \text{Water Content}) * \text{Purity UPLC (\%)} / 100\%$$

Water Content is considered as absolute effect, UPLC purity is considered as relative effect.
3. The uncertainty values are the expanded uncertainty and represent an estimated standard deviation equal to the positive square root of the total variation of the uncertainty of components. A normal distribution is assumed and a coverage factor of K=2 is chosen using approximately a 95% confidence level.

Signature:

Prepared by:

Xenia

Reviewed by:

Cady

Aporoved by General manager:

David

Date: Sep 17, 2021

Date: Jun 16, 2022

Date: Jun 16, 2022

