



CERTIFICATE OF ANALYSIS

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1. Identification

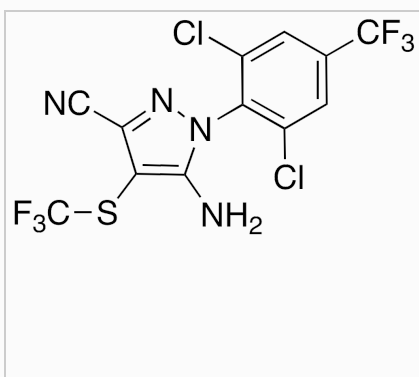
Catalogue Number: F342210

CAS Number: 120067-83-6

Product: Fipronil Sulfide

Synonym: 1-(2,6-Dichloro-4-trifluoromethylphenyl)-3-cyano-5-amino-4-(trifluoromethylthio)pyrazole; 5-Amino-1-(2,6-dichloro-4-trifluoromethylphenyl)-4-trifluoromethylthio-1H-pyrazole-3-carbonitrile; MB 45950; 5-Amino-3-cyano-1-(2,6-dichloro-4-trifluoromethylphenyl)-4-(trifluoromethylthio)pyrazole;

Structure:



Molecular Formula:

C₁₂H₄Cl₂F₆N₄S

Molecular weight:

421.15

Source of Product:

Synthetic

Solubility:

DMSO (Slightly), Methanol (Slightly)

Lot Number: 1-EAW-83-2

Purity: 98%

Shipping Condition: This Product Is Stable To Be Shipped At Room Temperature

Storage Condition: 4°C

2. Warning

Warning 1: Toxic

Warning 2:

Warning 3:

3. Analytical Information

Tests:	Specifications:	Results:
Appearance	White to Pale Yellow Solid	Off-White to Pale Yellow Solid
NMR	Conforms to Structure	Conforms
F NMR	Conforms to Structure	Conforms
MS	Conforms to Structure	Conforms
FT-IR	Conforms to Structure	Conforms
HPLC Purity	Report Result	99.38% (222 nm)

Additional Information: N/A

Purity is based on the analytical results of the tests performed. NMR and Elemental Analysis (if available) may have an accuracy of $\pm 2\%$. Isotopic purity is based on mass distribution observed. The contents of the specifications are subject to change without advance notice, and the specification values displayed here are the most up to date values.

4. Signatures

Reviewed By	Reviewed By	C of A Approved By	Test Date	Retest Date
Henry Tieu	Toni Rantanen	My Nguyen	9/23/2020	9/21/2027

