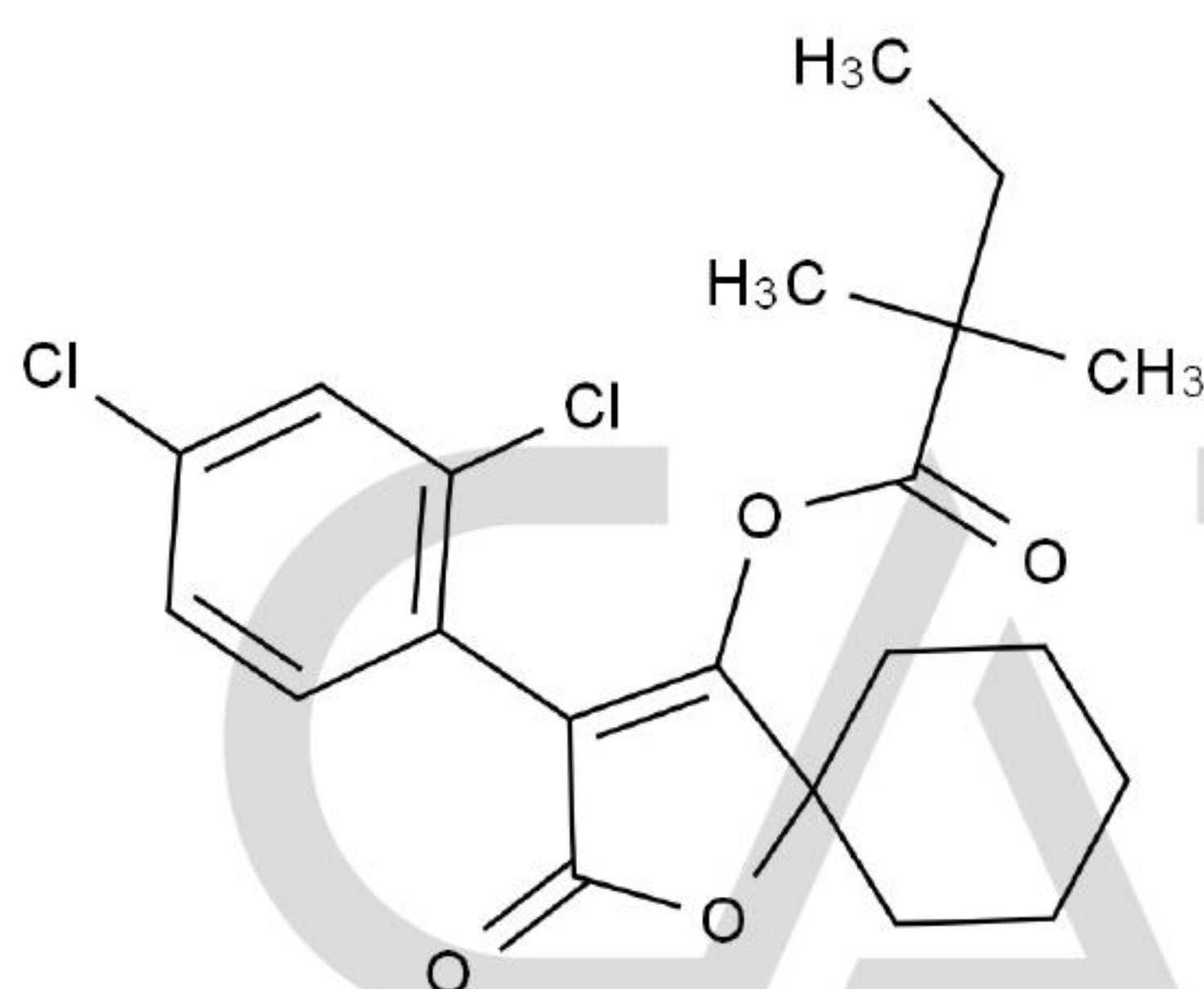


Certificate of Analysis

Reference Material & Standard

Product Name:	Spirodiclofen	Catalogue Number:	CCPD100749
Synonyms:	N/A	Lot Number:	0612-RH-0067
CAS Number:	148477-71-8	Expiry Date:	Jun 17, 2030
Molecular Formula:	C ₂₁ H ₂₄ Cl ₂ O ₄	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	411.32	Shipping Condition:	Shipping at Room Temperature
Solubility:	Acetonitrile	Warning:	

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White Solid
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	99.828%
Residue on Ignition	TGA	0.3473%
Loss on Drying	TGA	0.0928%
Assay		99.4%
Uncertainty		±0.1%

Comment:

- The calculation of the mass balance method follows the formula (calculated on the non-dried basis):

$$\text{Assay (\%)} = (100\% - \text{Residue on Ignition} - \text{Loss on Drying}) * \text{Purity HPLC (\%)} / 100\%$$
Residue on Ignition and Loss on Drying are considered as absolute effect, HPLC purity is considered as relative effect.
- 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:

Nice

Reviewed by:

Lisa

Approved by General Manager:

David

Date: Jul 09, 2026

Date: Jul 09, 2026

Date: Jul 09, 2026



Add: 3rd Floor, Building B, No.179, Guangpu Rd East, Huangpu District, Guangzhou, China

Tel: +86-20-81960175

Email: supports@cato-chem.com

Web: <https://www.cato-chem.com>

