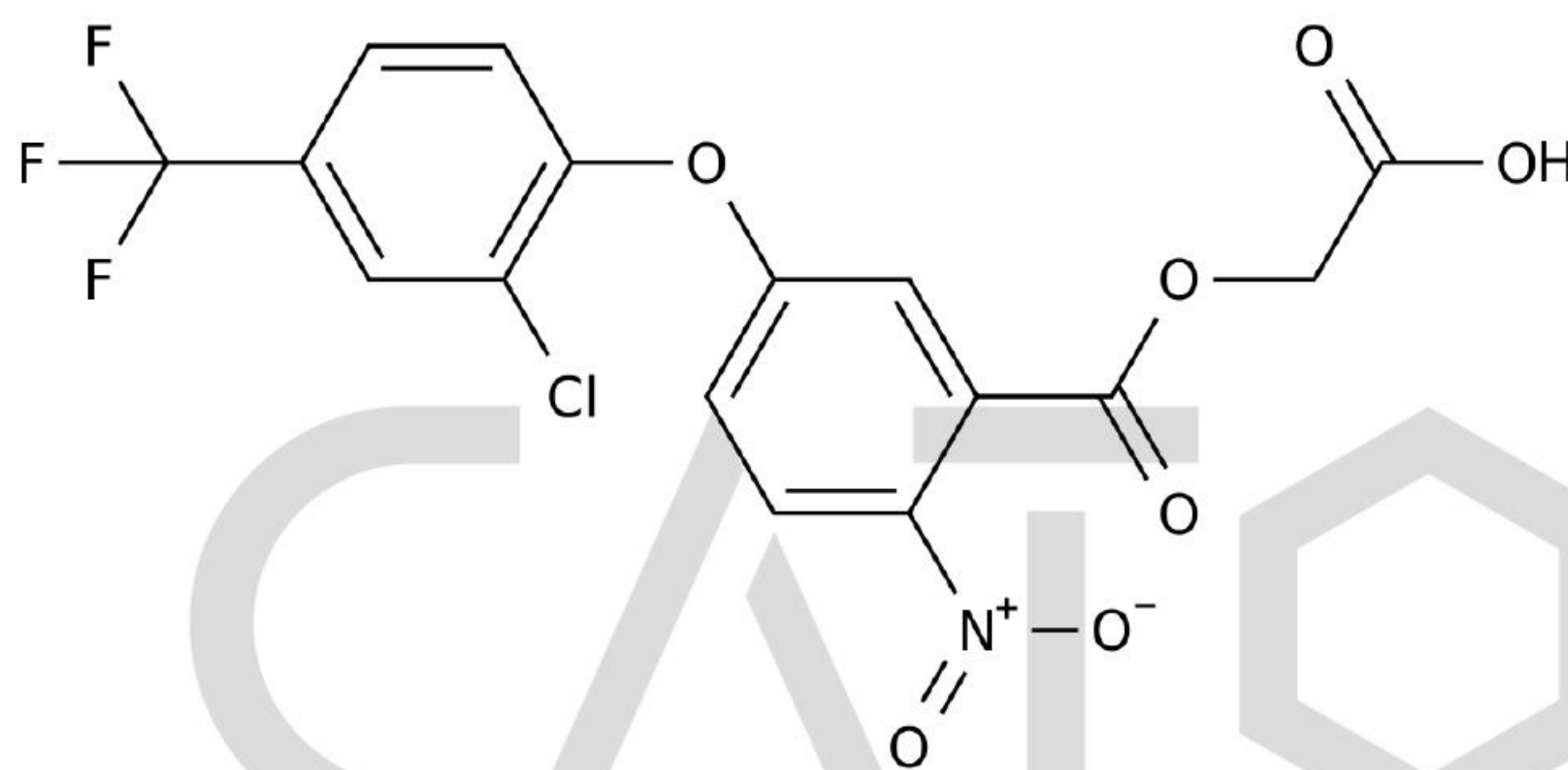


Certificate of Analysis

Reference Material & Standard

Product Name:	Benzofluorfen	Catalogue Number:	CCPD103167
Synonyms:	N/A	Lot Number:	0511-RD-0033
CAS Number:	77501-60-1	Expiry Date:	Nov 17, 2029
Molecular Formula:	C ₁₆ H ₉ ClF ₃ NO ₇	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	419.69	Shipping Condition:	Shipping at Room Temperature

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White to Off-White Solid
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	99.492%
Loss On Drying	TGA	0.4752%
Assay		99.0%
Uncertainty		±0.2%

Comment:

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

$$\text{Assay (\%)} = (100\% - \text{Loss On Drying}) * \text{Purity HPLC (\%)} / 100\%$$

Loss On Drying is 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:

Lisa

Reviewed by:

Hinlam

Approved by General Manager:

David

Date: Nov 18, 2025

Date: Nov 19, 2025

Date: Nov 19, 2025

