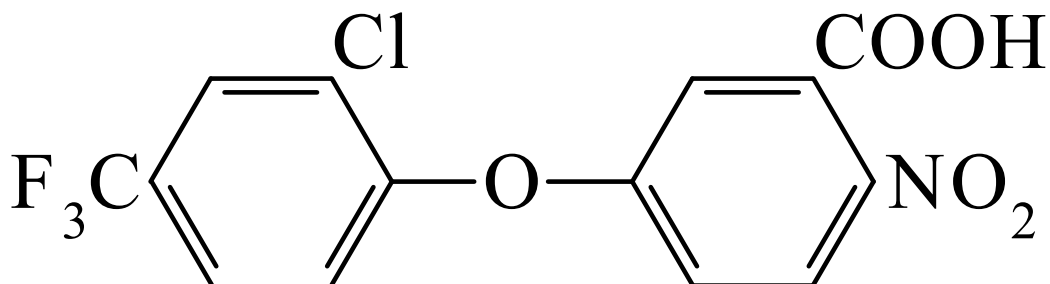




>>Entry Name: Acifluorfen, ANSI, BSI, ISO, WSSA

ENTRY UNDER REVIEW

Synonym(s): 5-[2-Chloro-4-(trifluoromethyl)phenoxy]-2-nitrobenzoic acid, 9Cl. Tackle 25



CAS Registry Number: 50594-66-6

Molecular Formula: $C_{14}H_7ClF_3NO_5$

Molecular Weight: 361.661

Accurate Mass: 360.996485

Percentage Composition: C 46.49%; H 1.95%; Cl 9.80%; F 15.76%; N 3.87%; O 22.12%

Use/Importance: Selective pre- and post-emergence herbicide. Used on soybeans and peanuts

Physical Description: Off-white solid

Melting Point: Mp 151.5-157° (140-150°). Mp 240°

Hazard & Toxicity: Skin and eye irritant. LD₅₀ (rat, orl) 2025 mg/kg

>>Derivative: Na salt

Synonym(s): Acifluorfen sodium. Blazer. Scifluorfen. RH 6201

CAS Registry Number: 62476-59-9

Physical Description: Powder

Melting Point: Mp 124-125°

>>Derivative: Me ester

Synonym(s): Acifluorfen methyl

CAS Registry Number: 50594-67-7

Molecular Formula: $C_{15}H_9ClF_3NO_5$

Molecular Weight: 375.688

Accurate Mass: 375.012135

Percentage Composition: C 47.96%; H 2.41%; Cl 9.44%; F 15.17%; N 3.73%; O 21.29%

Use/Importance: Herbicide

Supelco: R47-4295