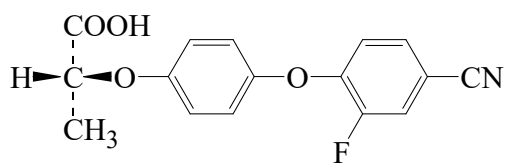




>>Entry Name: Cyhalofop

Synonym(s): 2-[4-(4-Cyano-2-fluorophenoxy)phenoxy]propanoic acid, 9Cl



CAS Registry Number: 122008-77-9

Related CAS Registry Numbers(s): 122008-82-6

Molecular Formula: $C_{16}H_{12}FNO_4$

Molecular Weight: 301.274

Accurate Mass: 301.075037

Percentage Composition: C 63.79%; H 4.01%; F 6.31%; N 4.65%; O 21.24%

>>Variant: (R)-form

CAS Registry Number: 122008-78-0

Molecular Formula: $C_{16}H_{12}FNO_4$

Molecular Weight: 301.274

Accurate Mass: 301.075037

Percentage Composition: C 63.79%; H 4.01%; F 6.31%; N 4.65%; O 21.24%

>>Derivative: Butyl ester

Synonym(s): Cyhalofop-butyl, ANSI. Cleaner. Clincher. DEH 112. XDE 537

CAS Registry Number: 122008-85-9

Molecular Formula: $C_{20}H_{20}FNO_4$

Molecular Weight: 357.381

Accurate Mass: 357.137637

Percentage Composition: C 67.22%; H 5.64%; F 5.32%; N 3.92%; O 17.91%

Biological Use/Importance: Inhibits acetyl CoA carboxylase. Post-emergence herbicide

Physical Description: Cryst.

Melting Point: Mp 50°

Hazard & Toxicity: LD₅₀ (rat, orl) >5000 mg/kg

Other: Dow

References:

Eur. Pat., 1989, Dow, 302 203; *CA*, **111**, 96861r, (*synth, activity*)

Pesticide Manual, 12th edn., 2000, No. 191