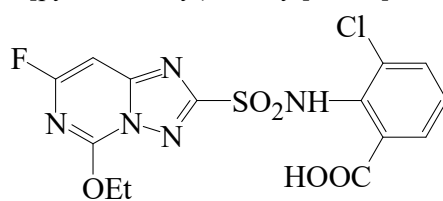




>>Entry Name: Cloransulam

Synonym(s): 3-Chloro-2-[[[5-ethoxy-7-fluoro[1,2,4]triazolo[1,5-*c*]pyrimidin-2-yl)sulfonyl]amino]benzoic acid, 9Cl



CAS Registry Number: 159518-97-5

Molecular Formula: C₁₄H₁₁ClFN₅O₅S

Molecular Weight: 415.789

Accurate Mass: 415.015345

Percentage Composition: C 40.44%; H 2.67%; Cl 8.53%; F 4.57%; N 16.84%; O 19.24%; S 7.71%

>>Derivative: Me ester

Synonym(s): Cloransulam-methyl, BSI. XDE 565

CAS Registry Number: 147150-35-4

Molecular Formula: C₁₅H₁₃ClFN₅O₅S

Molecular Weight: 429.815

Accurate Mass: 429.030995

Percentage Composition: C 41.92%; H 3.05%; Cl 8.25%; F 4.42%; N 16.29%; O 18.61%; S 7.46%

Use/Importance: Acetolactate synthase inhibitor. Pre- and post-emergence broad-leaved herbicide for use in soya beans

References:

U.S. Pat., 1992, *Dow Elanco*, 5 163 995; *CA*, **118**, 213106f, (*synth, activity*)

Wolt, J.D. *et al.*, *J. Agric. Food Chem.*, 1996, **44**, 324-332, (*metab*)

Pesticide Manual, 11th edn., 1997, 155