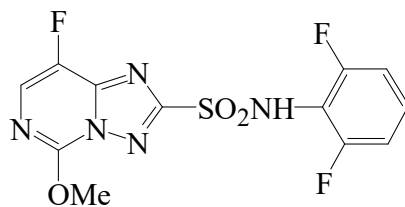




>>Entry Name: Florasulam, BSI

Synonym(s): *N*-(2,6-Difluorophenyl)-8-fluoro-5-methoxy[1,2,4]triazolo[1,5-*c*]pyrimidine-2-sulfonamide, 9Cl. DE 570



CAS Registry Number: 145701-23-1

Molecular Formula: C₁₂H₈F₃N₅O₃S

Molecular Weight: 359.288

Accurate Mass: 359.029994

Percentage Composition: C 40.12%; H 2.24%; F 15.86%; N 19.49%; O 13.36%; S 8.92%

Biological Use/Importance: Branched chain amino acid synth. inhibitor. Herbicide

Melting Point: Mp 194-231°

pKa Value: pK_a 4.54

Hazard & Toxicity: LD₅₀ (rat, orl) >6000 mg/kg

Other: Dow AgroSciences

References:

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

Thompson, A.R. *et al.*, *Brighton Crop Prot. Conf. - Weeds*, 1999, 73-80; 205-209, (*activity*)

Krieger, M.S. *et al.*, *J. Agric. Food Chem.*, 2000, **48**, 3710-3717; 4757-4766, (*degradn*)

Pesticide Manual, 12th edn., 2000, No. 351