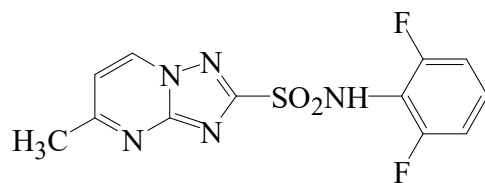




>>Entry Name: Flumetsulam, ANSI, BSI

Synonym(s): *N*-(2,6-Difluorophenyl)-5-methyl[1,2,4]triazolo[1,5-*a*]pyrimidine-2-sulfonamide, 9Cl. 2',6'-Difluoro-5-methyl[1,2,4]triazolo[1,5-*a*]pyrimidine-2-sulfonanilide. Broadstrike. DE 498. XRD 498



CAS Registry Number: 98967-40-9

Molecular Formula: C₁₂H₉F₂N₅O₂S

Molecular Weight: 325.298

Accurate Mass: 325.044501

Percentage Composition: C 44.31%; H 2.79%; F 11.68%; N 21.53%; O 9.84%; S 9.86%

Biological Use/Importance: Inhibits acetolactate synthase. Systemic herbicide

Physical Description: Solid

Melting Point: Mp 251-253°

pKa Value: pK_a 4.6

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

Other: Dow Agrosiences

References:

Eur. Pat., 1985, Dow, 142 152; *CA*, **103**, 196117f, (*synth*)

Kleschick, W.A. *et al.*, *ACS Symp. Ser.*, 1992, **504**, 10-16, (*synth, activity*)

Kleschick, W.A. *et al.*, *J. Agric. Food Chem.*, 1992, **40**, 1083-1085, (*activity, tox*)

Frear, D.S. *et al.*, *Pestic. Biochem. Physiol.*, 1993, **45**, 178-192, (*metab*)

Pesticide Manual, 12th edn., 2000, No. 366