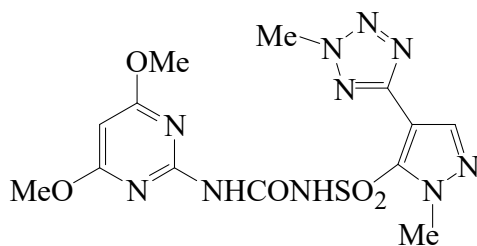




>>Entry Name: Azimsulfuron, ANSI, BSI

Synonym(s): *N*-[[[(4,6-Dimethoxy-2-pyrimidinyl)amino]carbonyl]-1-methyl-4-(2-methyl-2*H*-tetrazol-5-yl)-1*H*-pyrazole-5-sulfonamide, 9Cl. 1-(4,6-Dimethoxy-2-pyrimidinyl)-3-[[1-methyl-4-(2-methyl-2*H*-tetrazol-5-yl)pyrazol-5-yl]sulfonyl]urea. Gulliver. IN-A8947. A 8947



CAS Registry Number: 120162-55-2

Molecular Formula: C₁₃H₁₆N₁₀O₅S

Molecular Weight: 424.399

Accurate Mass: 424.102585

Percentage Composition: C 36.79%; H 3.80%; N 33.00%; O 18.85%; S 7.56%

Use/Importance: Acetolactate synthase inhibitor. Post-emergence herbicide for control of *Echinochloa* spp.

Physical Description: Solid

Melting Point: Mp 170°

pKa Value: pK_a 3.6

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

References:

U.S. Pat., 1988, *du Pont de Nemours*, 4 746 353; *CA*, **110**, 173240w, (*synth, activity*)

Marquez, T. *et al.*, *Brighton Crop Prot. Conf. - Weeds*, 1995, 65-72, (*activity*)

Barefoot, A.C. *et al.*, *Brighton Crop Prot. Conf. - Weeds*, 1995, 713-718, (*metab*)

Pesticide Manual, 11th edn., 1997, 39; 63-65

Powley, C.R. *et al.*, *J. Agric. Food Chem.*, 1998, **46**, 514-519, (*anal, hplc*)