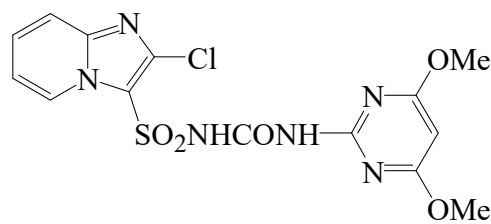




>>Entry Name: Imazosulfuron, BSI

Synonym(s): 2-Chloro-*N*-[[[(4,6-dimethoxy-2-pyrimidinyl)amino]carbonyl]imidazo[1,2-*a*]pyridine-3-sulfonamide, 9Cl. 1-(2-Chloroimidazo[1.2-*a*]pyridin-3-ylsulfonyl)-3-(4,6-dimethoxypyrimidin-2-yl) urea. Takeoff. TH 913



CAS Registry Number: 122548-33-8

Molecular Formula: C₁₄H₁₃ClN₆O₅S

Molecular Weight: 412.813

Accurate Mass: 412.035666

Percentage Composition: C 40.73%; H 3.17%; Cl 8.59%; N 20.36%; O 19.38%; S 7.77%

Biological Use/Importance: Acetolactate synthase inhibitor. Herbicide for paddyfield rice

Physical Description: Powder

Melting Point: Mp 183-184 dec.°

pKa Value: pK_a 4

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

References:

Eur. Pat., 1989, *Takeda*, 305 939; *CA*, **111**, 134183f, (*synth, activity*)

Ishida, Y. *et al.*, *J. Pestic. Sci. (Int. Ed.)*, 1993, **18**, 175-182, (*synth, use*)

Nagase, H. *et al.*, *Agrochem. Jpn.*, 1994, **64**, 15-16, (*activity*)

Ishida, Y. *et al.*, *Nippon Noyaku Gakkaishi*, 1996, **21**, 247-258, (*rev, activity, sar*)

Pesticide Manual, 11th edn., 1997, No. 416