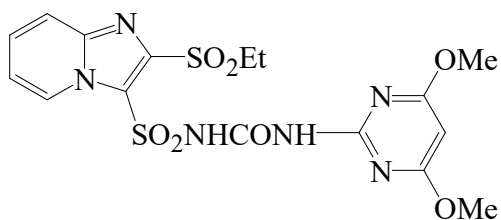




>>Entry Name: Sulfosulfuron, BSI

Synonym(s): *N*-[[[4,6-Dimethoxy-2-pyrimidinyl)amino]carbonyl]-2-(ethylsulfonyl)imidazo[1,2-*a*]pyridine-3-sulfonamide, 9CI. Maverick. Monitor. Outrider. MON 37500. TKM 19



CAS Registry Number: 141776-32-1

Molecular Formula: C₁₆H₁₈N₆O₇S₂

Molecular Weight: 470.486

Accurate Mass: 470.067839

Percentage Composition: C 40.85%; H 3.86%; N 17.86%; O 23.80%; S 13.63%

Biological Use/Importance: Herbicide for control of grass and broad-leaved weeds in cereals. Branched chain amino acid synth. inhibitor

Physical Description: Solid

Melting Point: Mp 201-202°

pKa Value: pK_a 3.51 (20°)

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

Other: Takeda

References:

Eur. Pat., 1992, Takeda, 477 808; *CA*, **117**, 2820a, (*synth, activity*)

Parrish, S.K. *et al.*, *Brighton Crop Prot. Conf. - Weeds*, 1995, 57-63; 667-672, (*activity, tox*)

Pesticide Manual, 12th edn., 2000, No. 714