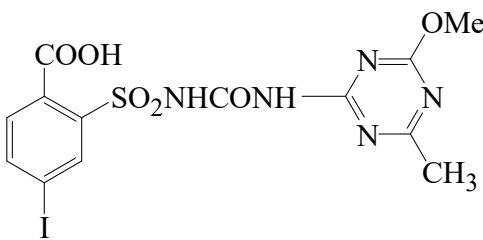




>>Entry Name: Iodosulfuron

Synonym(s): 4-Iodo-2-[3-(4-methoxy-6-methyl-1,3,5-triazin-2-yl)ureidosulfonyl]benzoic acid. 4-Iodo-2-[[[(4-methoxy-6-methyl-1,3,5-triazin-2-yl)amino]carbonyl]amino]sulfonyl]benzoic acid, 9CI. AE F145740



CAS Registry Number: 185119-76-0

Related CAS Registry Numbers(s): 144550-06-1

Molecular Formula: C₁₃H₁₂IN₅O₆S

Molecular Weight: 493.238

Accurate Mass: 492.955303

Percentage Composition: C 31.66%; H 2.45%; I 25.73%; N 14.20%; O 19.46%; S 6.50%

>>Derivative: Me ester, Na salt

Synonym(s): Iodosulfuron-methyl-sodium, BSI. AE F115008

CAS Registry Number: 144550-36-7

Molecular Formula: C₁₄H₁₃IN₅NaO₆S

Molecular Weight: 529.247

Accurate Mass: 528.952895

Percentage Composition: C 31.77%; H 2.48%; I 23.98%; N 13.23%; Na 4.34%; O 18.14%; S 6.06%

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

Physical Description: Cryst. powder

Melting Point: Mp 152°

Hazard & Toxicity: LD₅₀ (rat, orl) 2678 mg/kg

Other: Aventis

References:

Pat. Coop. Treaty (WIPO), 1992, 92 13 845; *CA*, **117**, 234049j, (*synth, activity*)

Hacker, E. *et al.*, *Brighton Crop Prot. Conf. - Weeds*, 1999, 15-22, (*activity*)

Pesticide Manual, 12th edn., 2000, No. 454