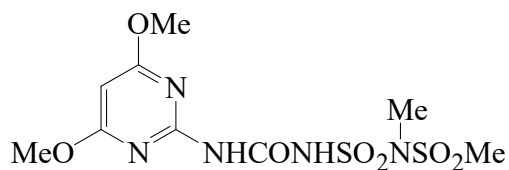




>>Entry Name: Amidosulfuron, BSI

Synonym(s): N-[[[(4,6-Dimethoxy-2-pyrimidinyl)amino]carbonyl]amino]sulfonyl]-N-methylmethanesulfonamide, 9CI



CAS Registry Number: 120923-37-7

Molecular Formula: C₉H₁₅N₅O₇S₂

Molecular Weight: 369.379

Accurate Mass: 369.04129

Percentage Composition: C 29.27%; H 4.09%; N 18.96%; O 30.32%; S 17.36%

Use/Importance: Acetolactate synthase inhibitor. Selective systemic herbicide

Physical Description: Cryst.

Melting Point: Mp 160-163°

pKa Value: pK_a 3.58

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

References:

Eur. Pat., 1992, *Hoechst*, 467 252; *CA*, **116**, 214526p, (*synth*)

D'Souza, D.S.M. *et al.*, *Brighton Crop Prot. Conf. - Weeds*, 1993, **2**, 567-572, (*activity*)

Blackshaw, R.E. *et al.*, *Weed Technol.*, 1995, **9**, 228-235, (*activity*)

Kirkland, K.J., *Weed Technol.*, 1995, **9**, 541-545, (*activity*)

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