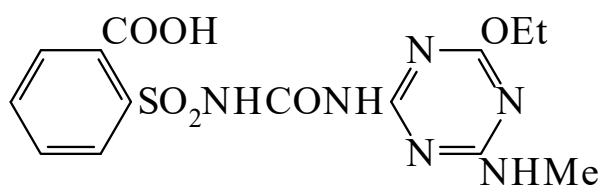




>>Entry Name: Ethametsulfuron, BSI, ISO

Synonym(s): 2-[[[[[4-Ethoxy-6-(methylamino)-1,3,5-triazin-2-yl]amino]carbonyl]amino]sulfonyl]benzoic acid, 9Cl



CAS Registry Number: 111353-84-5

Molecular Formula: C₁₄H₁₆N₆O₆S

Molecular Weight: 396.383

Accurate Mass: 396.085204

Percentage Composition: C 42.42%; H 4.07%; N 21.20%; O 24.22%; S 8.09%

>>Derivative: Me ester

Synonym(s): Ethametsulfuron methyl. Muster. DPX A7881

CAS Registry Number: 97780-06-8

Molecular Formula: C₁₅H₁₈N₆O₆S

Molecular Weight: 410.41

Accurate Mass: 410.100854

Percentage Composition: C 43.90%; H 4.42%; N 20.48%; O 23.39%; S 7.81%

Use/Importance: Herbicide. Branched chain aminoacid synthetase inhibitor

Physical Description: Cryst.

Melting Point: Mp 194°

pKa Value: pK_a 4.6

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

References:

Eur. Pat., 1985, 136 061; *CA*, **103**, 196127j, (*synth, activity*)

Hutchison, J.M. *et al.*, *Proc. Br. Crop Prot. Conf. Weeds*, 1987, 63, (*props, tox, use*)

Pesticide Manual, 10th edn., 1994, No. 272