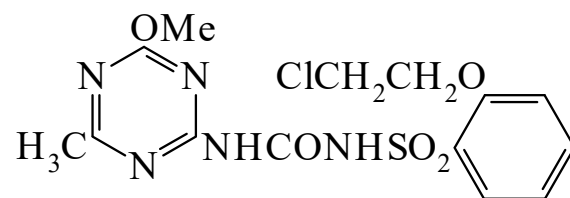




>>Entry Name: Triasulfuron, BSI

Synonym(s): 2-(2-Chloroethoxy)-N-[[[4-methoxy-6-methyl-1,3,5-triazin-2-yl)amino]carbonyl]benzenesulfonamide, 9Cl. 1-[2-(2-Chloroethoxy)phenylsulfonyl]-3-(4-methoxy-6-methyl-1,3,5-triazin-2-yl)urea. Amber. Logran. CGA 131036



CAS Registry Number: 82097-50-5

Molecular Formula: C₁₄H₁₆ClN₅O₅S

Molecular Weight: 401.83

Accurate Mass: 401.056067

Percentage Composition: C 41.85%; H 4.01%; Cl 8.82%; N 17.43%; O 19.91%; S 7.98%

Use/Importance: Herbicide. Branched chain amino acid synthetase inhibitor

Physical Description: Cryst.

Melting Point: Mp 186 dec.°

pKa Value: pK_a 4.5 (imido)

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

References:

Eur. Pat., 1982, 44 808; *CA*, **97**, 6326k, (*synth, activity*)

Amrein, J. *et al.*, *Proc. Br. Crop Prot. Conf. Weeds*, 1985, 55, (*activity*)

Pesticide Manual, 9th edn., 1991, No. 11865