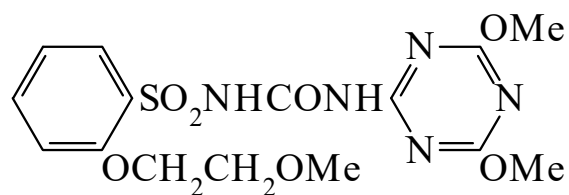




>>Entry Name: Cinosulfuron, BSI

Synonym(s): *N*-[[[(4,6-Dimethoxy-1,3,5-triazin-2-yl)amino]carbonyl]-2-(2-methoxyethoxy)benzenesulfonamide, 9Cl. 1-(4,6-Dimethoxy-1,3,5-triazin-2-yl)-3-[2-(2-methoxyethoxy)phenylsulfonyl]urea. Set-Off. CGA-142464



CAS Registry Number: 94593-91-6

Molecular Formula: C₁₅H₁₉N₅O₇S

Molecular Weight: 413.41

Accurate Mass: 413.10052

Percentage Composition: C 43.58%; H 4.63%; N 16.94%; O 27.09%; S 7.76%

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

Physical Description: Solid

Melting Point: Mp 144.6°

pKa Value: pK_a 4.5 (imido)

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

References:

U.S. Pat., 1984, *Ciba-Geigy*, 4 479 821; *CA*, **102**, 132077q, (*synth, activity*)

Pesticide Manual, 9th edn., 1991, 174

Klaffenbach, P. *et al.*, *Biol. Mass. Spectrom.*, 1993, **22**, 565, (*detn*)