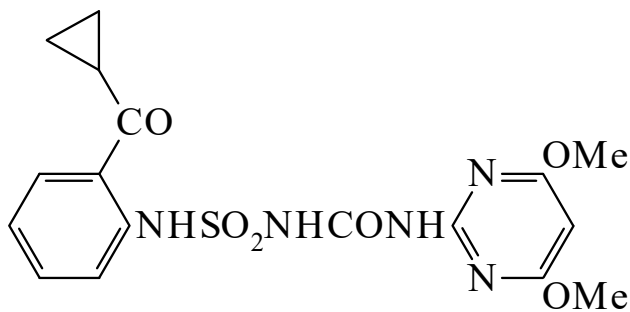




>>Entry Name: Cyclosulfamuron, ANSI

Synonym(s): *N*-[[[2-(Cyclopropylcarbonyl)phenyl]amino]sulfonyl]-*N'*-(4,6-dimethoxy-2-pyrimidinyl)urea, 9Cl. 1-[[*o*-(Cyclopropylcarbonyl)phenyl]sulfamoyl]-3-(4,6-dimethoxy-2-pyrimidinyl)urea. Jin-Quin. Saviour. AC 332140



CAS Registry Number: 136849-15-5

Molecular Formula: C₁₇H₁₉N₅O₆S

Molecular Weight: 421.433

Accurate Mass: 421.105605

Percentage Composition: C 48.45%; H 4.54%; N 16.62%; O 22.78%; S 7.61%

Biological Use/Importance: Herbicide. Acetolactate synthase inhibitor

Melting Point: Mp 170-171°

pKa Value: p*K*_a 5.04

Hazard & Toxicity: LD₅₀ (rat, orl) >75000 mg/kg

Other: BASF

References:

U.S. Pat., 1991, 5 009 699; *CA*, **115**, 201118m, (*synth, activity*)

Nathan, S., *Chem. Ind. (London)*, 1993, 931, (*rev*)

Pesticide Manual, 12th edn., 2000, No. 186