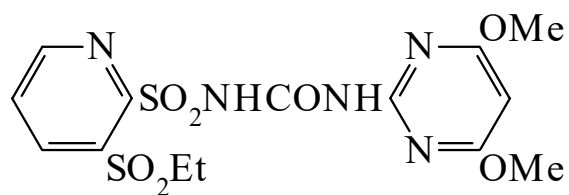




>>Entry Name: Rimsulfuron, BSI

Synonym(s): *N*-[[[(4,6-Dimethoxy-2-pyrimidinyl)amino]carbonyl]-3-(ethylsulfonyl)-2-pyridinesulfonamide, 9Cl. 1-(4,6-Dimethoxy-2-pyrimidinyl)-3-(3-ethylsulfonyl-2-pyridylsulfonyl)urea



CAS Registry Number: 122931-48-0

Molecular Formula: C<sub>14</sub>H<sub>17</sub>N<sub>5</sub>O<sub>7</sub>S<sub>2</sub>

Molecular Weight: 431.45

Accurate Mass: 431.05694

Percentage Composition: C 38.97%; H 3.97%; N 16.23%; O 25.96%; S 14.86%

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

Physical Description: Cryst.

Melting Point: Mp 176-178°

pKa Value: pK<sub>a</sub> 4.1

Hazard & Toxicity: LD<sub>50</sub> (rat, orl) >5000 mg/kg

#### References:

*Eur. Pat.*, 1989, 341 011; *CA*, **113**, 6360r, (*synth, activity*)

Babczinski, P. *et al.*, *Pestic. Sci.*, 1991, **31**, 305, (*activity*)

*Pesticide Manual*, 9th edn., 1991, 297