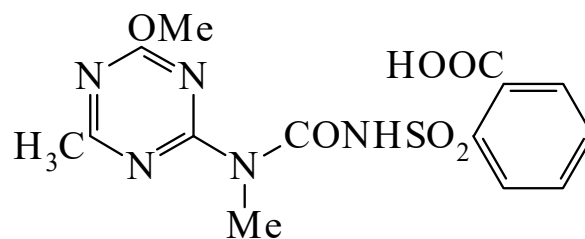




>>>**Entry Name:** Tribenuron, ANSI, BSI, WSSA

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



CAS Registry Number: 106040-48-6

Molecular Formula: C₁₄H₁₅N₅O₆S

Molecular Weight: 381.368

Accurate Mass: 381.074305

Percentage Composition: C 44.09%; H 3.96%; N 18.36%; O 25.17%; S 8.41%

>>>**Derivative:** Me ester

Synonym(s): Tribenuron-methyl. DPX L5300. Express

CAS Registry Number: 101200-48-0

Molecular Formula: C₁₅H₁₇N₅O₆S

Molecular Weight: 395.395

Accurate Mass: 395.089955

Percentage Composition: C 45.57%; H 4.33%; N 17.71%; O 24.28%; S 8.11%

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

Physical Description: Solid

Melting Point: Mp 141°

pKa Value: pK_a 5 (imido)

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

References:

Ferguson, D.T. *et al.*, *Proc. Br. Crop Prot. Conf. Weeds*, 1985, 43, (activity, use, tox)

Eur. Pat., 1986, 202 830; *CA*, **106**, 45733q, (synth, activity)

Pesticide Manual, 10th edn., 1994, No. 697