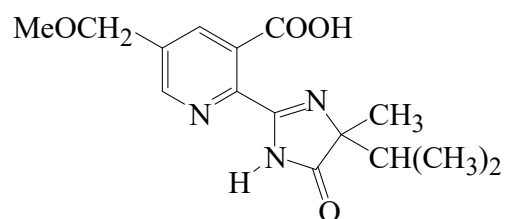




>>Entry Name: Imazamox, ANSI, BSI

Synonym(s): 2-[4,5-Dihydro-4-methyl-4-(1-methylethyl)-5-oxo-1*H*-imidazol-2-yl]-5-(methoxymethyl)-3-pyridinecarboxylic acid, 9Cl. Raptor. Sweeper. AC 299263. CL 299263



CAS Registry Number: 114311-32-9

Related CAS Registry Numbers(s): 114526-46-4

Molecular Formula: C₁₅H₁₉N₃O₄

Molecular Weight: 305.333

Accurate Mass: 305.137557

Percentage Composition: C 59.01%; H 6.27%; N 13.76%; O 20.96%

Biological Use/Importance: Acetolactate synthase inhibitor. Post-emergence herbicide

Other: BASF

>>Variant: (±)-form

Molecular Formula: C₁₅H₁₉N₃O₄

Molecular Weight: 305.333

Accurate Mass: 305.137557

Percentage Composition: C 59.01%; H 6.27%; N 13.76%; O 20.96%

Physical Description: Solid

Melting Point: Mp 166-167°

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

References:

U.K. Pat., 1988, Shell, 2 192 877; CA, **108**, 204620k, (synth, activity)

Little, D.L. et al., Pestic. Sci., 1994, **41**, 161-169; 171-185, (activity)

Teele, B. et al., Brighton Crop Prot. Conf. - Weeds, 1997, 605-610, (activity)

Pesticide Manual, 12th edn., 2000, No. 439