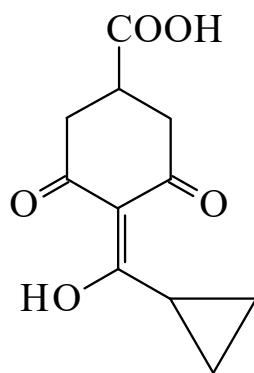




>>Entry Name: Trinexapac, BSI

Synonym(s): 4-(Cyclopropylhydroxymethylene)-3,5-dioxocyclohexanecarboxylic acid, 9CI



CAS Registry Number: 104273-73-6

Molecular Formula: $C_{11}H_{12}O_5$

Molecular Weight: 224.213

Accurate Mass: 224.068475

Percentage Composition: C 58.93%; H 5.39%; O 35.68%

>>Derivative: Et ester

Synonym(s): Trinexapac-ethyl. Modus†. CGA 163 935

CAS Registry Number: 95266-40-3

Molecular Formula: $C_{13}H_{16}O_5$

Molecular Weight: 252.266

Accurate Mass: 252.099775

Percentage Composition: C 61.90%; H 6.39%; O 31.71%

Use/Importance: Plant growth regulator

Melting Point: Mp 36°

pKa Value: pK_a 4.7

Hazard & Toxicity: LD₅₀ (rat, orl) 4460 mg/kg

References:

Eur. Pat., 1984, 126 713; *CA*, **102**, 112934p, (*synth*)

Johnson, B.J. *et al.*, *Weed Technol.*, 1990, **4**, 895, (*activity*)

Pesticide Manual, 9th edn., 1991, No. 5793