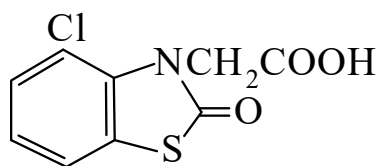




>>Entry Name: Benazolin, BSI

Synonym(s): 4-Chloro-2-oxo-3(2*H*)-benzothiazoleacetic acid, 9Cl. 4-Chloro-2-oxo-3-benzothiazolineacetic acid. Cornox CWK. Benzar. Cresopur



CAS Registry Number: 3813-05-6

Molecular Formula: C₉H₆ClNO₃S

Molecular Weight: 243.67

Accurate Mass: 242.975691

Percentage Composition: C 44.36%; H 2.48%; Cl 14.55%; N 5.75%; O 19.70%; S 13.16%

Use/Importance: Selective postemergent herbicide

Physical Description: Cryst.

Melting Point: Mp 193°

Solubility: Spar. sol. H₂O

Other Data: Forms alkali-metal and diethanolamine salts which are sol. in H₂O

Hazard & Toxicity: LD₅₀ (rat, orl) 3000 mg/kg

>>Derivative: Et ester

Synonym(s): 4-Chloro-*N*-(ethoxycarbonylmethyl)-2(3*H*)-benzothiazolone. Benazolin-ethyl

CAS Registry Number: 25059-80-7

Molecular Formula: C₁₁H₁₀ClNO₃S

Molecular Weight: 271.724

Accurate Mass: 271.006991

Percentage Composition: C 48.62%; H 3.71%; Cl 13.05%; N 5.15%; O 17.66%; S 11.80%

Melting Point: Mp 78.5°

References:

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Lewis, R.J., *Sax's Dangerous Properties of Industrial Materials*, 8th edn., Van Nostrand Reinhold, 1992, BAV000