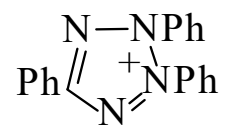




>>Entry Name: 2,3,5-Triphenyl-2H-tetrazolinium(1+)

Synonym(s): Tetrazolium



Molecular Formula: C₁₉H₁₅N₄⁽⁺⁾

Molecular Weight: 299.354

Accurate Mass: 299.129671

Percentage Composition: C 76.23%; H 5.05%; N 18.72%

>>Derivative: Chloride

Synonym(s): TTC. Red tetrazolium. TPTZ. RT. Vitastain. Uvoscreen

CAS Registry Number: 298-96-4

Molecular Formula: C₁₉H₁₅ClN₄

Molecular Weight: 334.807

Accurate Mass: 334.098523

Percentage Composition: C 68.16%; H 4.52%; Cl 10.59%; N 16.73%

detn. of As, Co, IO₃⁽⁻⁾. Used in detn. of reducing sugars and corticosteroids

Physical Description: Long needles (CHCl₃)

Melting Point: Mp 243 dec.°

Solubility: Insol. Et₂O; sol. alkalis

Other Data: Darkens on exp. to light

Aldrich: T8485-9

Fluka: 93140

Sigma: T4155

References:

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Kuhn, R. *et al.*, *Ber.*, 1941, **74**, 941, (synth)

Atkinson, E.H. *et al.*, *Science (Washington, D.C.)*, 1950, **111**, 385, (synth)

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