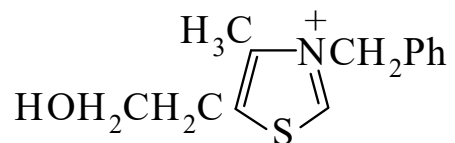




>>Entry Name: 3-Benzyl-5-(2-hydroxyethyl)-4-methyl-1,3-thiazolium(1+)

Synonym(s): 5-(2-Hydroxyethyl)-4-methyl-3-(phenylmethyl)thiazolium, 9Cl



CAS Registry Number: 46719-49-7

Molecular Formula: C₁₃H₁₆NOS⁽⁺⁾

Molecular Weight: 234.341

Accurate Mass: 234.095259

Percentage Composition: C 66.63%; H 6.88%; N 5.98%; O 6.83%; S 13.68%

Use/Importance: Synthetic reagent, catalyses 1,4-diketone synth.

>>Derivative: Chloride

CAS Registry Number: 4568-71-2

Molecular Formula: C₁₃H₁₆ClNOS

Molecular Weight: 269.794

Accurate Mass: 269.064111

Percentage Composition: C 57.87%; H 5.98%; Cl 13.14%; N 5.19%; O 5.93%; S 11.89%

Physical Description: Cryst. (Me₂CO/EtOH)

Melting Point: Mp 141-143°

Aldrich: 25623-4

Fluka: 13453

References:

Aldrich Library of FT-IR Spectra, 1st edn., 1985, **2**, 646D, (*ir*)

Takamizawa, A. *et al.*, *Chem. Pharm. Bull.*, 1966, **14**, 742-748, (*synth*)

Stetter, H., *Angew. Chem., Int. Ed.*, 1976, **15**, 639-647, (*synth, use, rev*)

Fieser and Fieser's Reagents for Organic Synthesis, Wiley, 1979, **7**, 16; 1982, **10**, 27, (*use*)