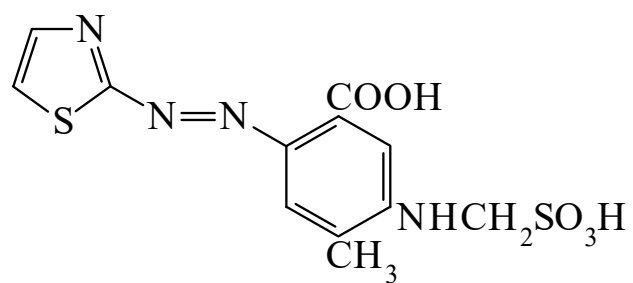




>>Entry Name: 4-Methyl-5-[(sulfomethyl)amino]-2-(2-thiazolylazo)benzoic acid, 9Cl



CAS Registry Number: 82138-69-0

Molecular Formula: C₁₂H₁₂N₄O₅S₂

Molecular Weight: 356.383

Accurate Mass: 356.024911

Percentage Composition: C 40.44%; H 3.39%; N 15.72%; O 22.45%; S 18.00%

Use/Importance: Used as a 5mM aq. soln. for photometric detn. of Co ($\lambda_{\max}$ 655 nm, ϵ 110000)

Physical Description: Orange-red cryst.

Melting Point: Mp 240° (dec.)

Solubility: Sol. H₂O

References:

Wada, H. *et al.*, *Anal. Chim. Acta*, 1982, **135**, 333, (detn, Co)

Wada, H. *et al.*, *Mikrochim. Acta*, 1983, **2**, 139, (detn, Co)