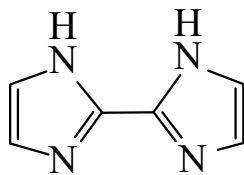




>>Entry Name: **2,2'-Bi-1*H*-imidazole**, 9Cl

Synonym(s): Glycosine. 2,2'-Diiminazole. H₂ biim



CAS Registry Number: 492-98-8

Molecular Formula: C₆H₆N₄

Molecular Weight: 134.14

Accurate Mass: 134.059246

Percentage Composition: C 53.72%; H 4.51%; N 41.77%

Use/Importance: Complexing agent

Physical Description: Prisms (AcOH or H₂O)

Melting Point: Mp 350°

Solubility: V. spar. sol. org. solvs.; insol. cold H₂O

>>Derivative: Hydrochloride (1:2)

Physical Description: Needles (1M HCl/EtOH)

Melting Point: Mp 307°

>>Derivative: 1,1'-Di-Me

Molecular Formula: C₈H₁₀N₄

Molecular Weight: 162.194

Accurate Mass: 162.090546

Percentage Composition: C 59.24%; H 6.21%; N 34.54%

Physical Description: Cryst. (cyclohexane)

Melting Point: Mp 115-116°

References:

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Barone, V. *et al.*, *J.C.S. Perkin 2*, 1988, 1975, (*conformn*)

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Secondo, P.M. *et al.*, *Acta Cryst. C*, 1996, **52**, 2882-2883, (*cryst struct, di-Ac*)