Polyhedron
Volume 16, Issue 7, 1997, Pages 1241-1245

Synthesis and characterization of 2,4-disubstituted-5-imino-Δ^2-1,3,4-telluradiazolines and 1,4-dihydro-2-imino-3-telluraquinolines

Ali Z. Al-Rubaie, Shakeer A.N. Al-Jadaan

https://doi.org/10.1016/S0277-5387(96)00182-9

Abstract

2,4-Disubstituted-5-imino-Δ^2-1,3,4,-telluradiazolines were isolated together with α-tellurocyanatobenzaldehyde arylhydrazones when potassium tellurocyanate was reacted with hydrazidoyl bromides in DMSO solution. *N*-Acetyl derivatives were prepared by reaction of 5-imino-δ^2-1,3,4-teluradiazolines with acetic anhydride. Reaction of 2-amino-benzyl iodide with KTeCN afforded the novel heterocyclic tellurium compound, 1,4-dihydro-2-imino-3-telluraquinoline, which, on treatment with acetic anhydride, gave the acetyl derivative. The acetyl derivative was hydrolysed with HCl/H_2O to afford 1-*N*-acetyl-4-hydro-3-telluraquinolin-2-one.

Previous Next

Keywords

potassium tellurocyanate; telluradiazolines; telluraquinolines; hydrazidoyl halides; 2-aminobenzyl tellurocyanate; tellurides

Recommended articles Citing articles (3)

View full text