

ABSTRACT

TITLE OF INVENTION: PREPARATION OF N-CYANODITHIOIMINO-CARBONATES AND 3-MERCAPTO-5-AMINO-1H-1,2,4-TRIAZOLE

Group 1 or 2 metal salts of N-cyanodithioiminocarbonate are prepared by reacting cyanamide, carbon disulfide and a Group 1 or 2 metal hydroxide, preferably in a methanolic solvent. These salts can be converted to metal salts of S-substituted N-cyanodithioiminocarbonates, which react with hydrazine or its hydrate to yield the metal salt of 3-mercapto-5-amino-1H-1,2,4-triazole. Sodium S-methyl N-cyanodithioiminocarbonate is a novel compound.