

Title (en)

METHOD OF PRODUCING N,N'-DIAZOLE COMPOUNDS

Title (de)

VERFAHREN ZUR HERSTELLUNG VON N,N'-DIAZOLVERBINDUNGEN

Title (fr)

PROCEDE D'ELABORATION DE COMPOSES N, N'-DIAZOLE

Publication

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Application

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Priority

- US 9800592 W 19980109
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Abstract (en)

[origin: WO9831672A1] Describes a method of producing N,N'-diazole compounds, e.g. N,N'-carbonyldiimidazole, by reacting in an inert solvent, e.g., toluene, a 1-unsubstituted 1H-azole compound, e.g., 1H-imidazole, and a dihalide compound, e.g., phosgene, in the presence of an organic base, e.g., a tertiary amine such as tri(n-butyl)amine. The molar ratio of the 1-unsubstituted 1H-azole compound to the dihalide compound may range from 1.7:1 to 2.3:1. The organic base: 1-unsubstituted 1H-azole compound molar ratio is 1:1 when the molar ratio of the 1-unsubstituted 1H-azole compound to the dihalide compound is less than 2:1. The organic base has a basicity greater than that of the 1-unsubstituted 1H-azole compound, and along with its hydrohalide salt is soluble in the inert solvent.

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