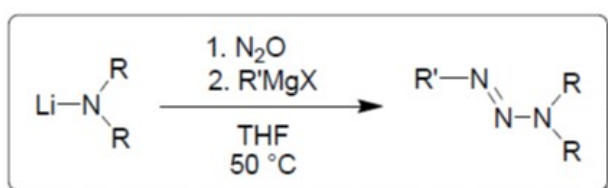


# Method for the synthesis of new triazenes



The new synthetic procedure is based on organomagnesium compounds, nitrous oxide, and lithium amides.

Ref. Nr

6.1389

Keywords

Amides, coupling reactions, Grignard reagents, nitrous oxide, triazenes, cancer

Intellectual Property

US 10,221,198 B2

Publications

Angew. Chem. Int. Ed. 2015, 54, 302 -305

Date

11/05/2021

Description

A new process using nitric oxide (N<sub>2</sub>O) for the synthesis of trisubstituted triazenes.

The new process solves the problem of accessing triazenes with alkynyl and alkenyl substituents with good yields.

In particular, the new synthetic method allows access to triazenes with alkynyl and alkenyl substituents at the 1-position. Such compounds are difficult to prepare by conventional methods because the required starting materials are highly unstable.

Advantages

- Access to new triazene compounds
- Scalable/easily reproducible chemistry

Applications

- New triazene chemistries
- Lead development for cancer treatment

Offering

Licence, research collaboration