

Coupling of trialkylsilyl substituted heterocycles with halogen substituted aromatic compounds*

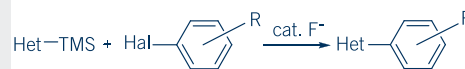
The innovation

The chemical and pharmaceutical industry is constantly searching for new methods or reagents and an easier and cheaper way of preparing complex molecules and structures. In many agents, aromatic and hetero cyclic systems are combined directly to form the core support structure of the molecule.

The technology presented here is an innovative process for the coupling of hetero cyclic molecules with halogen aromatic systems.

It allows the coupling of trialkylsilyl substituted heterocycles with halogen substituted aromatic compounds in addition of catalysed fluoride without using expensive catalyst systems. The description of these target aggregations shows many advantages for pharmaceutical interstages and medicinal remedies.

By using the innovative coupling method, charges are reduced due to economization of synthesis steps and sparse usage of required chemicals. Moreover, the process attains a conspicuously higher yield.



Keywords

- Active heterocyclic compounds
- Halogen substituted aromatic compounds
- Fluoride catalyzed
- Pharmaceutical agents

Areas of application

- Production of pharmaceutical ingredients and agents
- Production of chemicals

Patent status

The invention is filed internationally. It is owned by ZYLUM Beteiligungsgesellschaft mbH & Co. Patente II KG. The application was filed in March 2009.

Advantages at a glance

- Easy and cheap accessibility and simple separation with high purity
- High reactivity
- High yields
- Cost savings because of using very little amount of solvent and fluorid catalysts

To acquire a licence for this new technology, please don't hesitate to contact us!



IP Bewertungs AG (IPB)

Stephansplatz 10
20354 Hamburg
Germany

Sönke Jessel
Ref. no. 001826

Tel +49 (0)40 8787 90-00
Fax +49 (0)40 8787 90-01

CHEMFOOD@IPB-AG.com
www.IPB-AG.com