# Stoichiometric organometallics

ECTS
3 crédits

Composante
UFR Chimie, UFR des Sciences fondamentales et biomédicales

Volume horaire
24h

Période de l'année
Semestre 2

## En bref

- **Langue(s) d'enseignement:** Anglais
- **Forme d'enseignement :** Cours TD
- **Ouvert aux étudiants en échange:** Non

# Présentation

## DESCRIPTION

This module is intended to provide you with sufficient knowledge regarding the formation,

stability and reactivity of the most frequent and useful stoichiometric organometallics and enolates.

Topics will include (1) organometallics derived from lithium, magnesium, copper, and zinc, and (2)

enolates and aza-enolates chemistry. A particular attention will be paid to the selectivity aspects of their

preparation and reactivity, some predictive models of simple diastereoselectivity will be discussed. We

will examine the applications of these reagents to the construction of complex organic molecules.

## HEURES D'ENSEIGNEMENT

| | | |
|---|---|---|
| Stoichiometric organometallics | Cours Magistral | 12h |
| Stoichiometric organometallics | Travaux Dirigés | 12h |

## PRÉ-REQUIS NÉCESSAIRES

Stoichiometric organometallics, synthesis and reactivity, C-C bond formation,

diastereoselectivity, chiral auxiliary

# En bref

## CONTACTS

**Responsable pédagogique**
Hamid Dhimane
hamid.dhimane@u-paris.fr

## LIEU(X)

- Campus Saint Germain des Prés

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