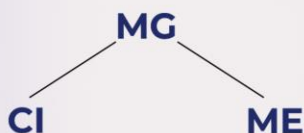


METHYL MAGNESIUM CHLORIDE 3M IN THF



PRODUCT IN FOCUS



Methyl Magnesium Chloride 3M in THF

INTRODUCTION

Methyl magnesium chloride is the simplest of Grignard's reagents. The neat molecule is sensitive to air and moisture. Therefore, it is offered as solution in THF with variable molarity values. At low temperature, it may crystallize out as THF complex and regain solution form at ambient temperature.

Manufacture

The product is manufactured by reaction of chloromethane with magnesium in anhydrous diethyl ether. The synthesis generally requires presence of an initiator.

Synonyms	Methyl (chloro) magnesium Magnesium carbanide chloride
CAS no.	676-58-4
EINECS no.	211-629-7
Molecular formula	CH ₃ MgCl
Molecular weight	74.79
Structure	

Applications

APIs:

- ✔ Ganaxolone, a synthetic neuroactive steroid
- ✔ Medetomidine, a sedative veterinary
- ✔ Chlorphenoxamine, an anticholinergic
- ✔ Clemastine, an antihistamine

Intermediates:

- ✔ Dimethyl magnesium
- ✔ Tetramethyl lead
- ✔ Tetramethyl tin
- ✔ Bis(cyclopentadienyl)dimethyl titanium
- ✔ Styryl alcohol
- ✔ 2,6-Dimethyl-2-heptanol
- ✔ Dimethyl phenethyl carbinol

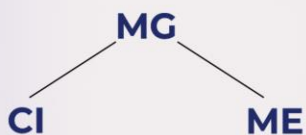
Flavors & Fragrances:

- ✔ Hydroxycitronellal, an odorant with floral fragrance
- ✔ Propenyl guaethol, flavor ingredient with vanilla odor

Others:

- ✔ Selective methylation agent for aldehydes, ketones, and carbonyls in organic syntheses

METHYL MAGNESIUM CHLORIDE 3M IN THF



PRODUCT IN FOCUS



SPECIFICATIONS

Test	Unit	Specification
Appearance	-	Dark brown to grey coloured liquid
Molarity	M	2.90 – 3.30
Sedimentation	%	Max 2.0

STORAGE

Stored at ambient temperature under nitrogen blanket

PACKING

190 kg UN approved HDPE drums

REACH Status

Not registered yet

ExSyn offers methyl magnesium chloride on commercial scales and welcomes enquiries. No matter the quantity you need, our exceptional quality and service will make ExSyn your supplier of choice! If you need any additional information or SDS, please contact us.