



SHANGHAI FREEMEN CHEMICALS CO.,LTD.

ADDRESS: SUITES 22G, SHANGHAI INDUSTRIAL INVESTMENT

BLDG.,18 CAOXI RD.(N),SHANGHAI 200030,CHINA

TEL:021-64279170 Email: ni.xiaohu@freemen.sh.cn

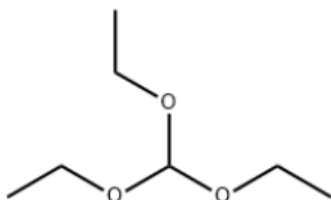
Product: **Triethyl orthoformate**

Triethyl orthoformate, is a clear, colorless liquid with a pungent odor that miscible with ethanol and ether, slightly soluble in water. Triethyl orthoformate is used in Bodroux-Chichibabin aldehyde synthesis to prepare an aldehyde with one carbon higher by reacting with Grignard reagent. It is also used in the electrophilic formylation of activated aromatic species such as phenol.

Alias: triethoxy-methan; ethoxymethanediol; Ethyl orthoformate

CAS No: **122-51-0**

Molecule structure



Specifications:

Appearance: Clear, colourless liquid

Purity: 99%min

Ethanol: 0.45%max

Ethyl formate: 0.25%max

Impurity: 0.25%max

Specific gravity(20°C):0.891-0.897

Boiling point(20°C):145-146

Packing & Delivery 180kg/drum, 14.4mt/FCL

UN No.2524, Class:3, Packing group:III



Application

☒ Triethyl orthoformate is used in Bodroux-

Chichibabin aldehyde synthesis to prepare an aldehyde with one carbon higher by reacting with Grignard reagent.

☒ It is also used in the electrophilic formylation of activated aromatic species such as phenol.