



**SHANGHAI FREEMEN CHEMICALS CO.,LTD.**

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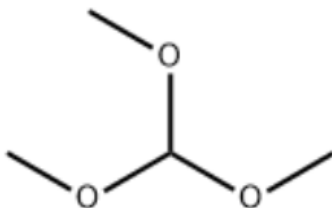
Product: **Trimethyl orthoformate**

Trimethyl orthoformate, is a clear, colorless liquid and is soluble in ethanol, ether, benzene. Trimethyl orthoformate is an effective solvent for thallium(III) nitrate-mediated oxidations. It undergoes acid catalyzed reaction with 6-(N-D-ribitylanilino) uracils to form 8-demethyl-8-hydroxy-5-deazariboflavins. Trimethyl Orthoformate is the most simple orthoester. It is used in organic synthesis as a reagent for introducing a protecting group for aldehydes and in the creation of methoxymethylene groups and heterocyclic ring systems.

Alias: Trimethoxymethane; methoxymethanediol; Methyl orthoformate

CAS No: **149-73-5**

Molecule structure



**Specifications:**

Appearance: Clear, colourless liquid

Purity: 99%min

Water: 0.05%max

Methyl alcohol: 0.3%max

Relative density ( $d_4^{20}$ ): 0.962-0.966

**Packing & Delivery** 200kg/drum

UN No.3272, Class:3, Packing group:II



**Application**

- ☒ Trimethyl orthoformate is used as a protecting group for aldehydes in organic synthesis, as an additive in polyurethane coatings and as a dehydrating agent in the preparation of surface modified colloidal silica nanoparticles.
- ☒ It is also used as a chemical intermediate in the preparation of vitamin B1 and sulfa drugs.
- ☒ It acts as an effective solvent for thallium(III) nitrate-mediated oxidations.
- ☒ It is utilized for the synthesis of chromone from keto-hydroxy naphthol in the presence of trimethylamine.