

DI-TERT-BUTYL-DICARBONATE (DIBOC)



CAS Number: 24424-99-5

Other Names: BOC anhydride; Bis(tert-butoxycarbonyl)oxide;
di-tert-Butyl pyrocarbonate; Boc2O

Formula: C₁₀H₁₈O₅

PRODUCT INTRODUCTION

Di-tert-butyl-dicarbonate (DIBOC) is an acyclic carboxylic anhydride. Miscible with decalin, toluene, carbon tetrachloride, tetrahydrofuran, dioxane, alcohols, acetone, acetonitrile and dimethylformamide. Immiscible with water

PHYSICAL AND CHEMICAL PROPERTIES

Appearance	White Crystal (Colorless Liquid Above 23°C)
Chromatographic Purity	99.5 %
Water	0.02 %

APPLICATIONS

- Di-tert-butyl dicarbonate is a reagent mainly used for the introduction of the Boc protecting group.
- It plays an important role in the preparation of 6-acetyl-1,2,3,4-tetrahydropyridine by reacting with 2-piperidone.
- It serves as a protecting group used in solid phase peptide synthesis.

PACKAGING OPTIONS

Drums

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