

## SPECIFICATION

### Di-Tert-Butyl Dicarbonate

| Parameters        | Specification  |
|-------------------|--|
| CAS Number        | 24424-99-5   |
| Appearance        | Colorless liquid   |
| Molecular Formula | C10H18O5   |
| Molecular Weight  | 234.25 g/mol   |
| Boiling Point     | 70 °C  |
| Melting Point     | -30 °C   |
| Flash Point       | -5 °C  |
| Purity            | 98-99%   |
| Refractive Index  | 1.469  |
| Solubility        | Soluble in dichloromethane, ethyl acetate, and other organic solvents; insoluble in water  |
| Uses              | Protecting-group reagent used to install the tert-butyloxycarbonyl (Boc) group on amines and other nucleophiles in organic synthesis |

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