

## SPECIFICATION

### 2-Phenylbutyryl Chloride

Parameters	Specification
CAS Number	36854-57-6
Appearance	Colorless liquid
Molecular Formula	C <sub>10</sub> H <sub>11</sub> ClO
Molecular Weight	182.65 g/mol
Boiling Point	132 °C
Melting Point	-20 °C
Flash Point	21 °C
Purity	98–99%
Refractive Index	1.523
Solubility	Reacts with water; soluble in organic solvents (ether, chloroform, dichloromethane).
Uses	Intermediary in organic synthesis; acylating agent for ester and amide formation.

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