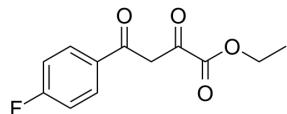


Certificate of Analysis

Product Name: Ethyl 4-(4-fluorophenyl)-2,4-dioxobutanoate
Cat. No.: CS-0112624
CAS No.: 31686-94-9
Batch No.: Ld080514536
Chemical Name: Benzenebutanoic acid, 4-fluoro- α,γ -dioxo-, ethyl ester

PHYSICAL AND CHEMICAL PROPERTIES

Molecular Formula: C₁₂H₁₁FO₄
Molecular Weight: 238.21
Storage: 2-8°C, stored under nitrogen
Chemical Structure:



ANALYTICAL DATA

Appearance: Light yellow to yellow (Solid)
¹H NMR Spectrum: Consistent with structure
Purity (NMR): $\geq 97.0\%$
Conclusion: The product has been tested and complies with the given specifications.

Caution: Product has not been fully validated for medical applications. For research use only.

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