

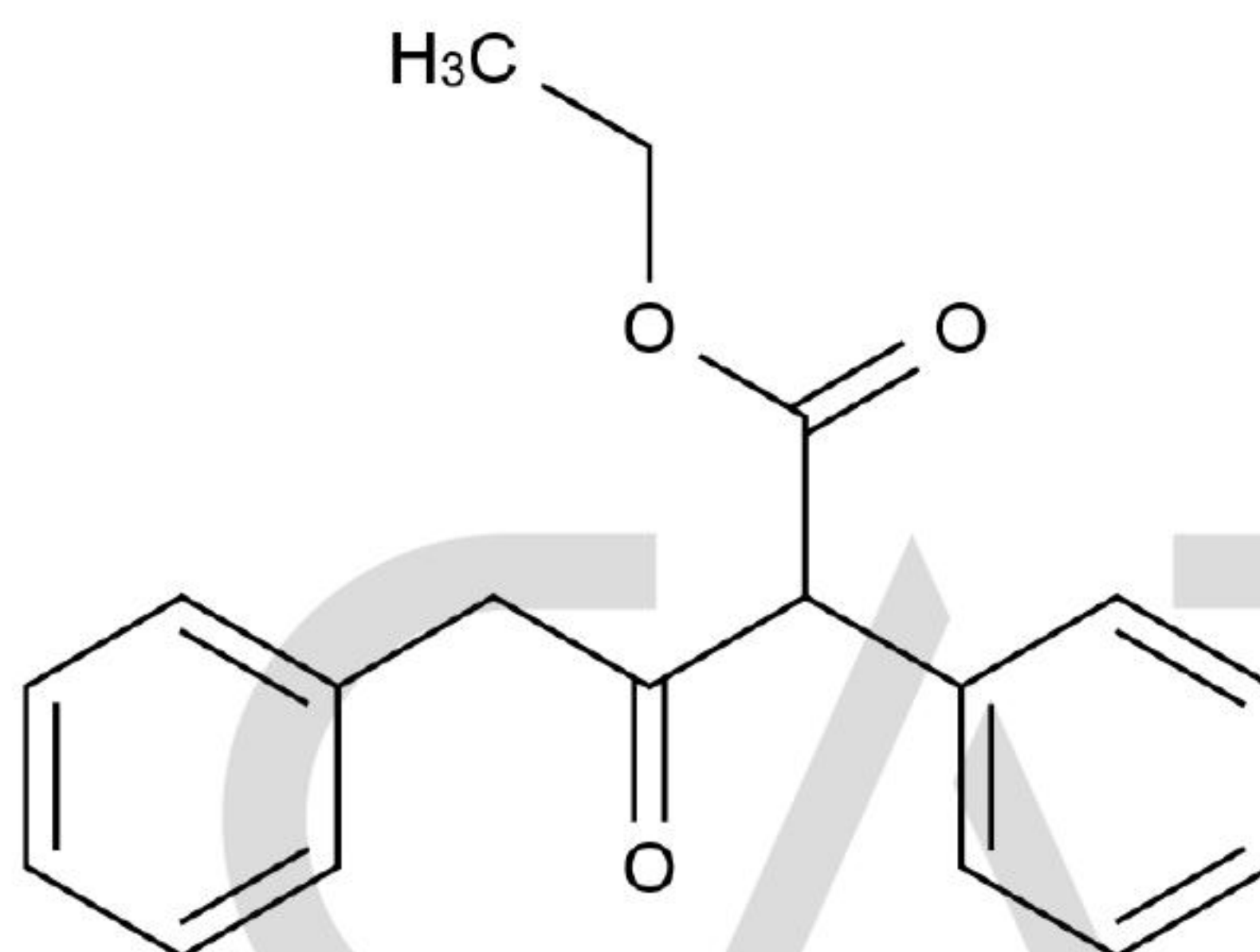
Certificate of Analysis

Reference Material & Standard

Product Name:	Ethyl 3-oxo-2,4-diphenylbutanoate	Catalogue Number:	C1816338
Synonyms:	N/A	Lot Number:	0415-RG-0094
CAS Number:	2901-29-3	Expiry Date:	Apr 28, 2028
Molecular Formula:	C ₁₈ H ₁₈ O ₃	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	282.33	Warning:	



Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White Solid
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	98.474%
Loss On Drying	TGA	0.0758%
Assay		98.4%

Comment:

The calculation of the 100% method follows the formula (calculated on the non-dried basis):

$\text{Assay (\%)} = (100\% - \text{Loss On Drying}) * \text{Purity HPLC (\%)} / 100\%$

Loss On Drying is considered as absolute effect, HPLC purity is considered as relative effect.

Signature:

Prepared by:

Nice

Reviewed by:

Koi

Approved by General Manager:

David

Date: Apr 29, 2025

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