

Certificate of Analysis

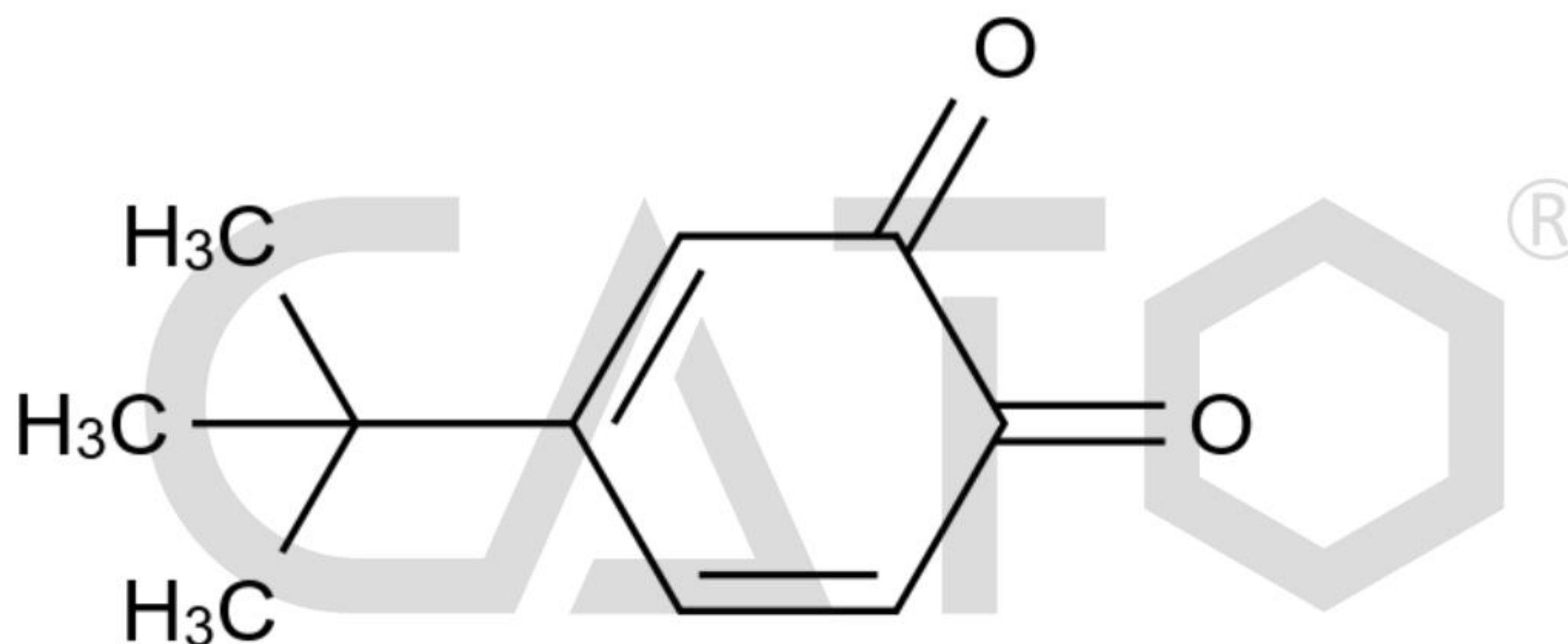
Reference Material & Standard

Product Name:	4-(tert-Butyl)cyclohexa-3,5-diene-1,2-dione	Catalogue Number:	C1067306
Synonyms:	N/A	Lot Number:	0818-RH-0035
CAS Number:	1129-21-1	Expiry Date:	Aug 19, 2027
Molecular Formula:	C ₁₀ H ₁₂ O ₂	Storage:	-20°C±5°C Protected from light and Sealed
Molecular Weight:	164.20	Shipping Condition:	Shipping with Ice Packs

Warning:



Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Brown Solid
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	94.001%
Loss on Drying	TGA	1.6084%
Assay		92.5%

Comment:

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

Assay (%) = (100% - Loss on Drying) * 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: Aug 20, 2026

Date: Aug 20, 2026

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Page 1 of 6



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