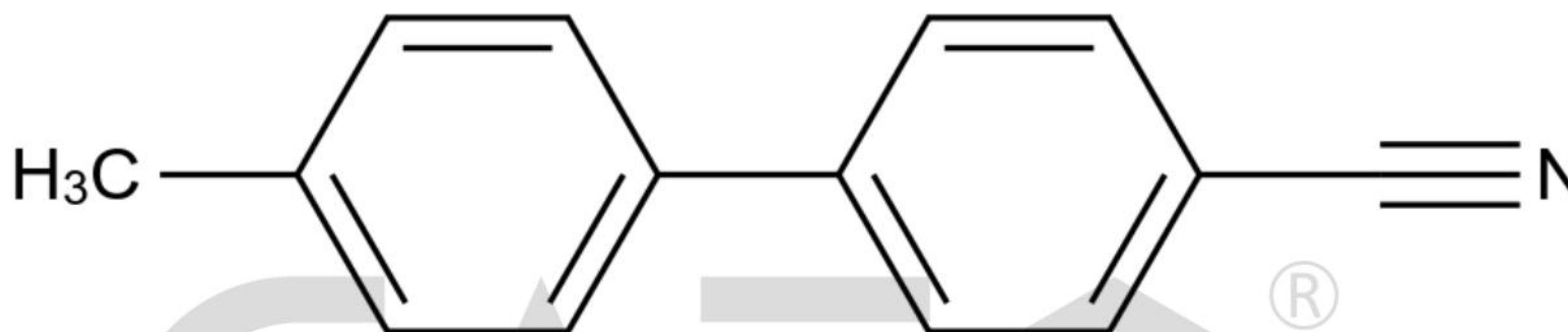


Certificate of Analysis

Reference Material & Standard

Product Name:	4'-Methyl-[1,1'-biphenyl]-4-carbonitrile	Catalogue Number:	C1728237
Synonyms:	N/A	Lot Number:	0613-RG-0090
CAS Number:	50670-50-3	Expiry Date:	Jun 17, 2029
Molecular Formula:	C ₁₄ H ₁₁ N	Storage:	Room Temp Protected from light and Sealed
Molecular Weight:	193.24	Warning:	

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Light Brown Solid
Identification	GCMS&HNMR	Confirmed
Purity	HPLC	99.556%
Loss On Drying	TGA	0.2067%
Assay		99.4%

Comment:

The calculation of the 100% 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: Jun 18, 2025

Date: Jun 18, 2025

Date: Jun 18, 2025

