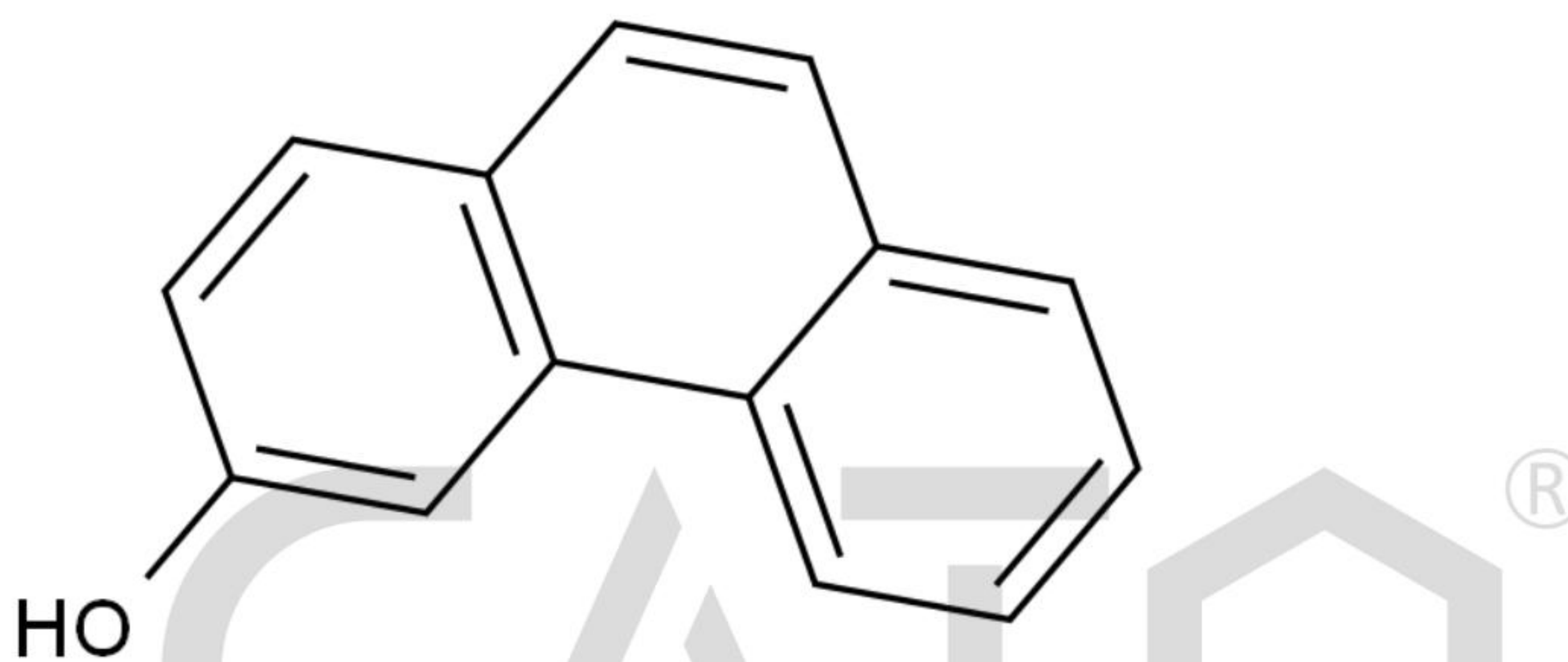


Certificate of Analysis

Reference Material

Product Name:	3-Hydroxyphenanthrene	Catalogue Number:	CCHM702257
Chemical Name:	N/A	Lot Number:	0919-RD-0062
CAS Number:	605-87-8	Expiry Date:	Sep 21, 2028
Molecular Formula:	C ₁₄ H ₁₀ O	Storage:	Room Temp Protected from light and Sealed
Molecular Weight:	194.23		

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Brown Powder
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	99.328%
Loss On Drying	TGA	0.8982%
Assay		98.4%
Uncertainty		±2.0%

Comment:

1. 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.

2. The uncertainty values are the expanded uncertainty and represent an estimated standard deviation equal to the positive square root of the total variation of the uncertainty of components. A normal distribution is assumed and a coverage factor of K=2 is chosen using approximately a 95% confidence level.

Signature:

Prepared by:

Delia

Reviewed by:

Xenia

Aproved by General manager:

David

Date: Sep 22, 2022

Date: Sep 26, 2022

Date: Sep 26, 2022

