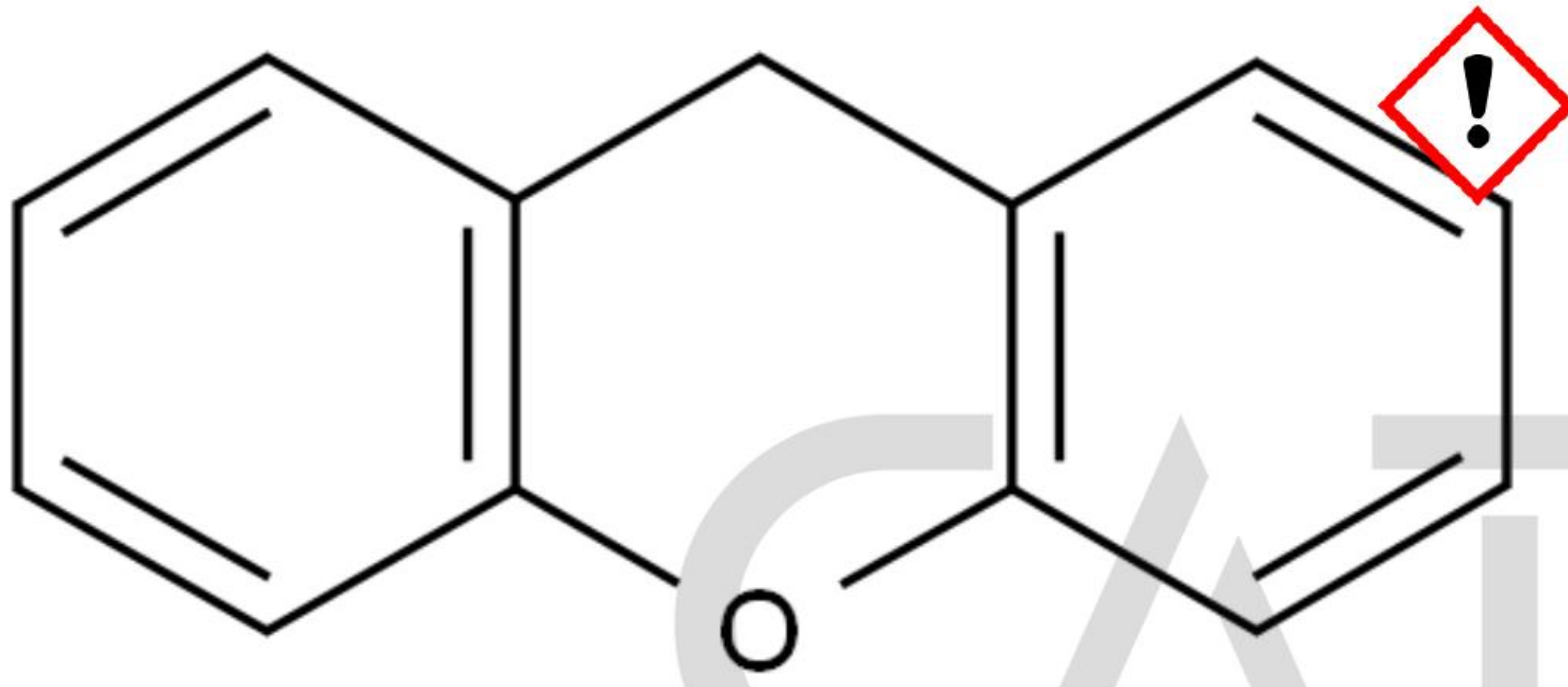


Certificate of Analysis

Reference Material & Standard

Product Name:	9H-Xanthene	Catalogue Number:	CCHM704776
Synonyms:	N/A	Lot Number:	0512-RE-0006
CAS Number:	92-83-1	Expiry Date:	May 15, 2027
Molecular Formula:	C13H10O	Storage:	Room Temp Protected from light and Sealed
Molecular Weight:	182.22		
Chemical Structure:	 Warning:		

Test Items	Method	Results
Appearance	Visual inspection	Yellow Solid
Identification	GCMS&HNMR	Confirmed
Purity	GC	100.000%
Water Content	Karl Fischer	0.1664%
Assay		99.8%
Uncertainty		±2.0%

Comment:

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

$$\text{Assay (\%)} = (100\% - \text{Water Content}) * \text{Purity GC (\%)} / 100\%$$

Water Content is considered as absolute effect, GC purity is considered as relative effect.
- 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: 吴晓琳

Reviewed by:

Yuki

Approved by General Manager:

David

Date: May 16, 2023

Date: May 16, 2023

Date: May 16, 2023

