

Certificate of Analysis

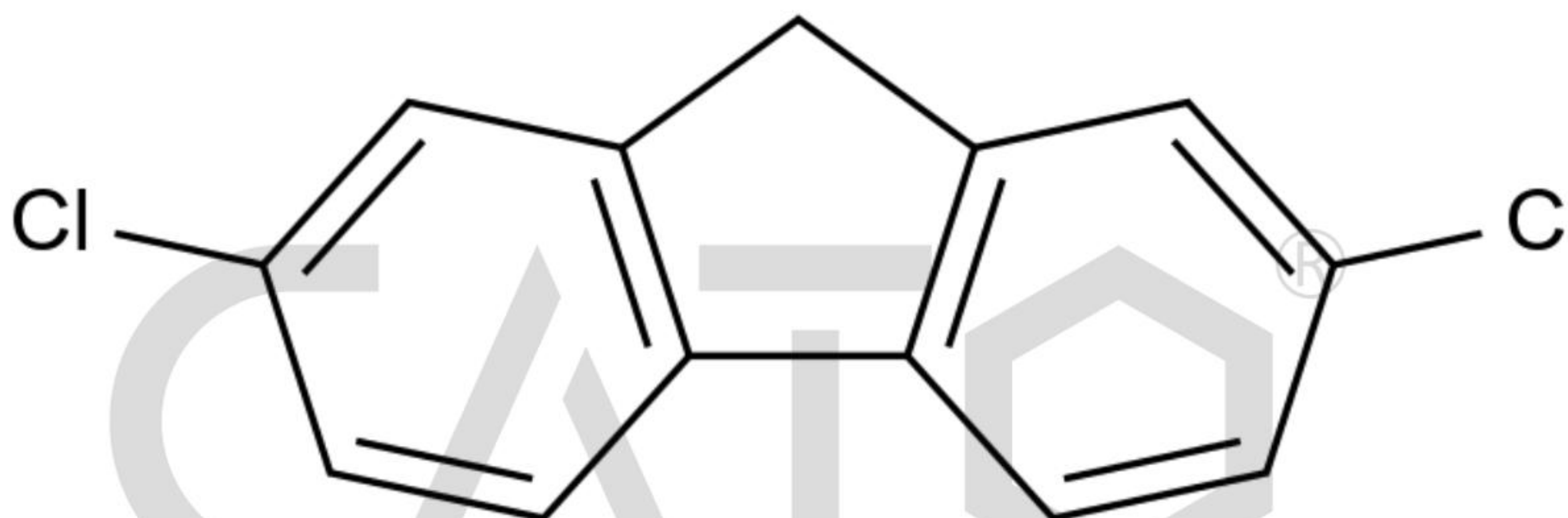
Reference Material & Standard

Product Name:	2,7-Dichloro-9H-fluorene	Catalogue Number:	CCHM703886
Synonyms:	N/A	Lot Number:	0913-RD-0066
CAS Number:	7012-16-0	Expiry Date:	Dec 07, 2029
Molecular Formula:	C ₁₃ H ₈ Cl ₂	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	235.11	Shipping Condition:	Shipping at Room Temperature

Warning:



Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Yellow Solid
Identification	GCMS&HNMR	Confirmed
Purity	HPLC	99.304%
Loss On Drying	TGA	0.1029%
Assay		99.2%
Uncertainty		±0.2%

Comment:

- The calculation of the mass balance 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.
- 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:

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Approved by General Manager:

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Date: Dec 08, 2025

Date: Dec 09, 2025

Date: Dec 09, 2025



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