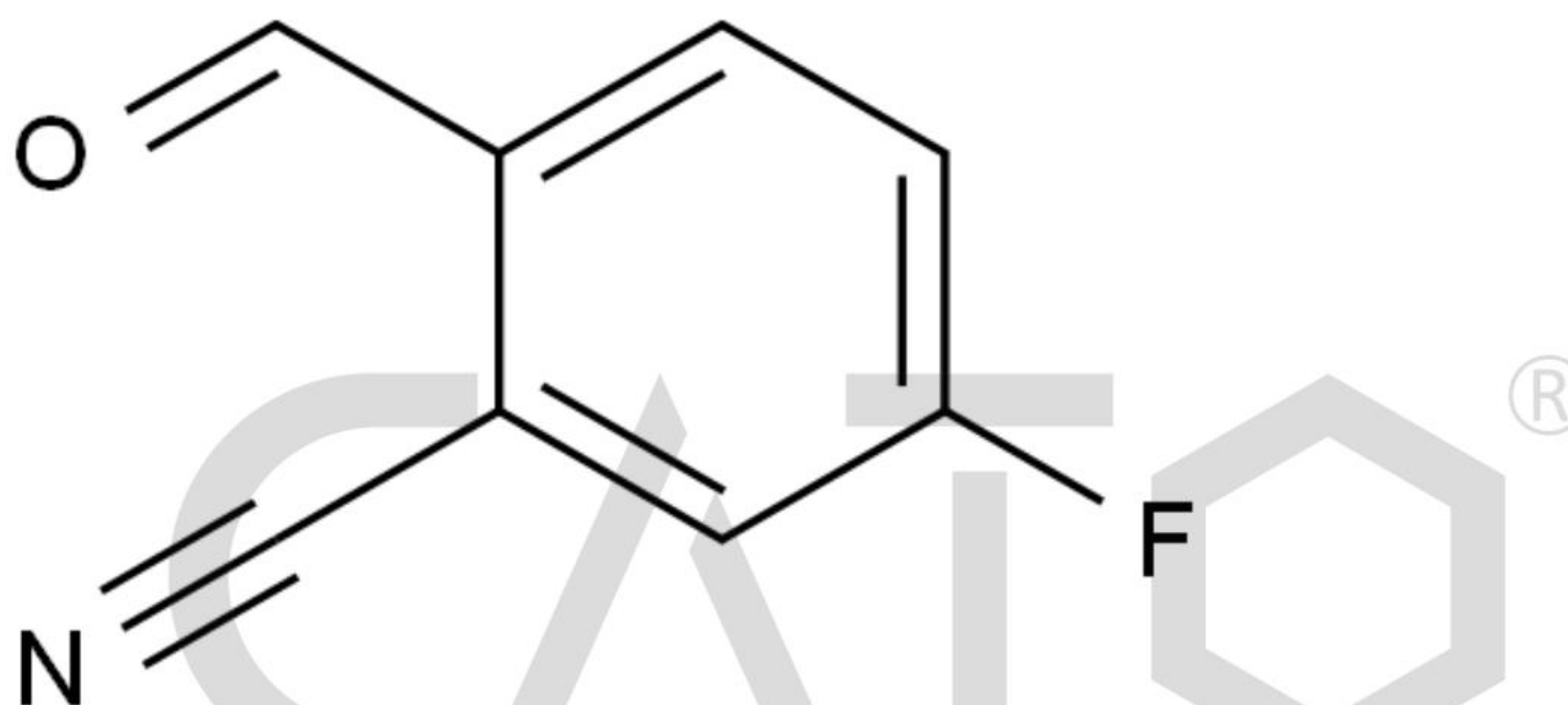


Certificate of Analysis

Reference Material & Standard

Product Name:	2-Cyano-4-fluorobenzaldehyde	Catalogue Number:	C3D-3609
Synonyms:	N/A	Lot Number:	0928-RG-0140
CAS Number:	77532-90-2	Expiry Date:	Sep 27, 2029
Molecular Formula:	C ₈ H ₄ FNO	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	149.12		

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Yellow Solid
Identification	GCMS&CNMR&HNMR	Confirmed
Purity	HPLC	100.000%
Water Content	Karl Fischer	0.0329%
Residual Solvents	NMR	0.29% ethyl acetate
Assay		99.7%

Comment:

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

Assay (%) = (100% - Water Content - Residual Solvents) * Purity HPLC (%) / 100%

Water Content and Residual Solvents are considered as absolute effect, HPLC purity is considered as relative effect.

Signature:

Prepared by:

Koi

Reviewed by:

Lisa

Approved by General Manager:

David

Date: Sep 28, 2025

Date: Sep 28, 2025

Date: Sep 28, 2025



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