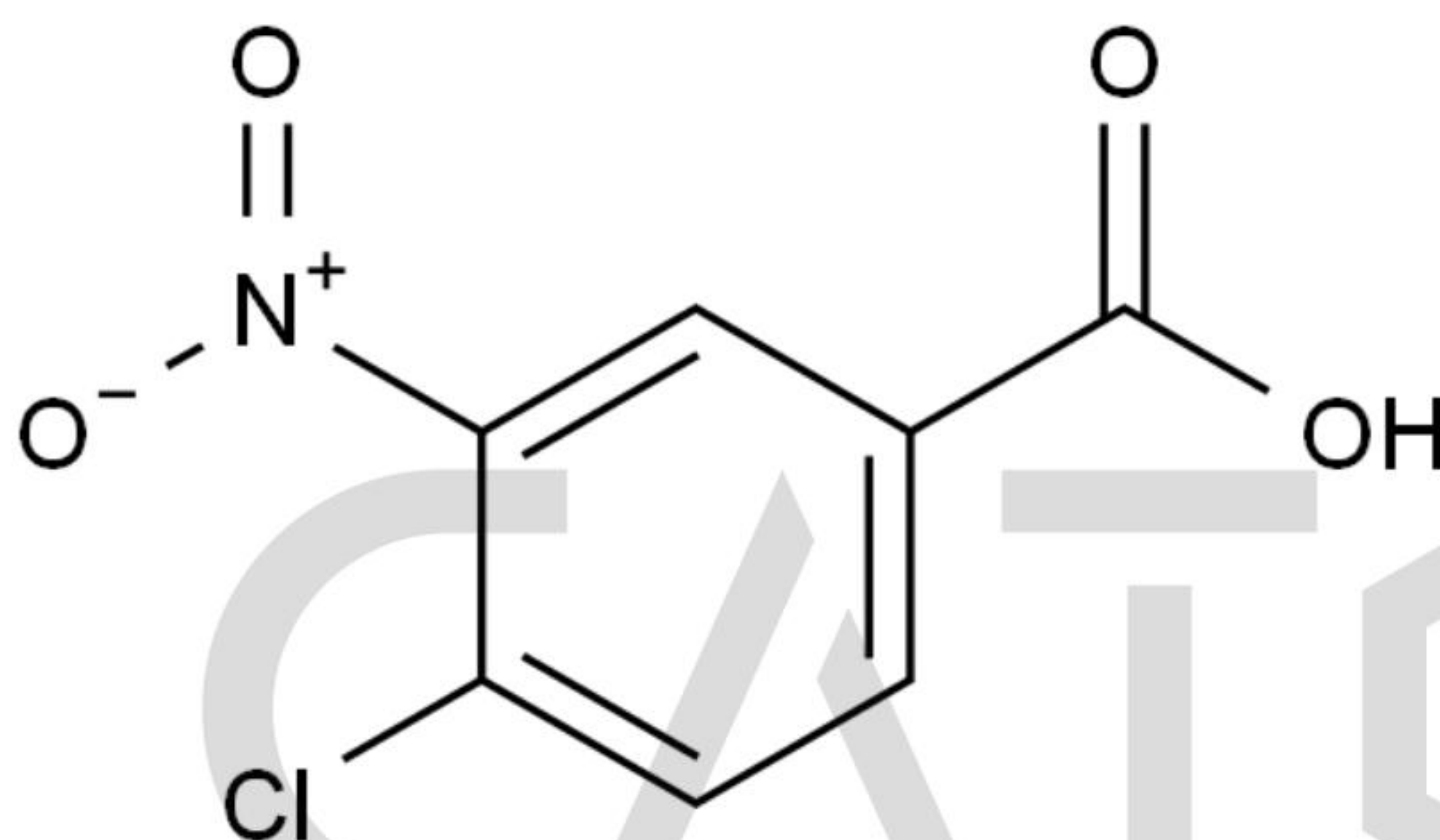


Certificate of Analysis

Reference Material & Standard

Product Name:	4-Chloro-3-nitrobenzoic Acid	Catalogue Number:	C4X-20273
Synonyms:	N/A	Lot Number:	0705-RA-0002
CAS Number:	96-99-1	Expiry Date:	Dec 24, 2026
Molecular Formula:	C ₇ H ₄ ClNO ₄	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	201.56	Warning:	

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Off-White Solid
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	100.000%
Water Content	Karl Fischer	0.4434%
Assay		99.6%

Comment:

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

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

Water Content is considered as absolute effect, HPLC purity is considered as relative effect.

Signature:

Prepared by:

Koi

Reviewed by:

Lisa

Aproved by General Manager:

David

Date: Dec 25, 2023

Date: Dec 25, 2023

Date: Dec 25, 2023

