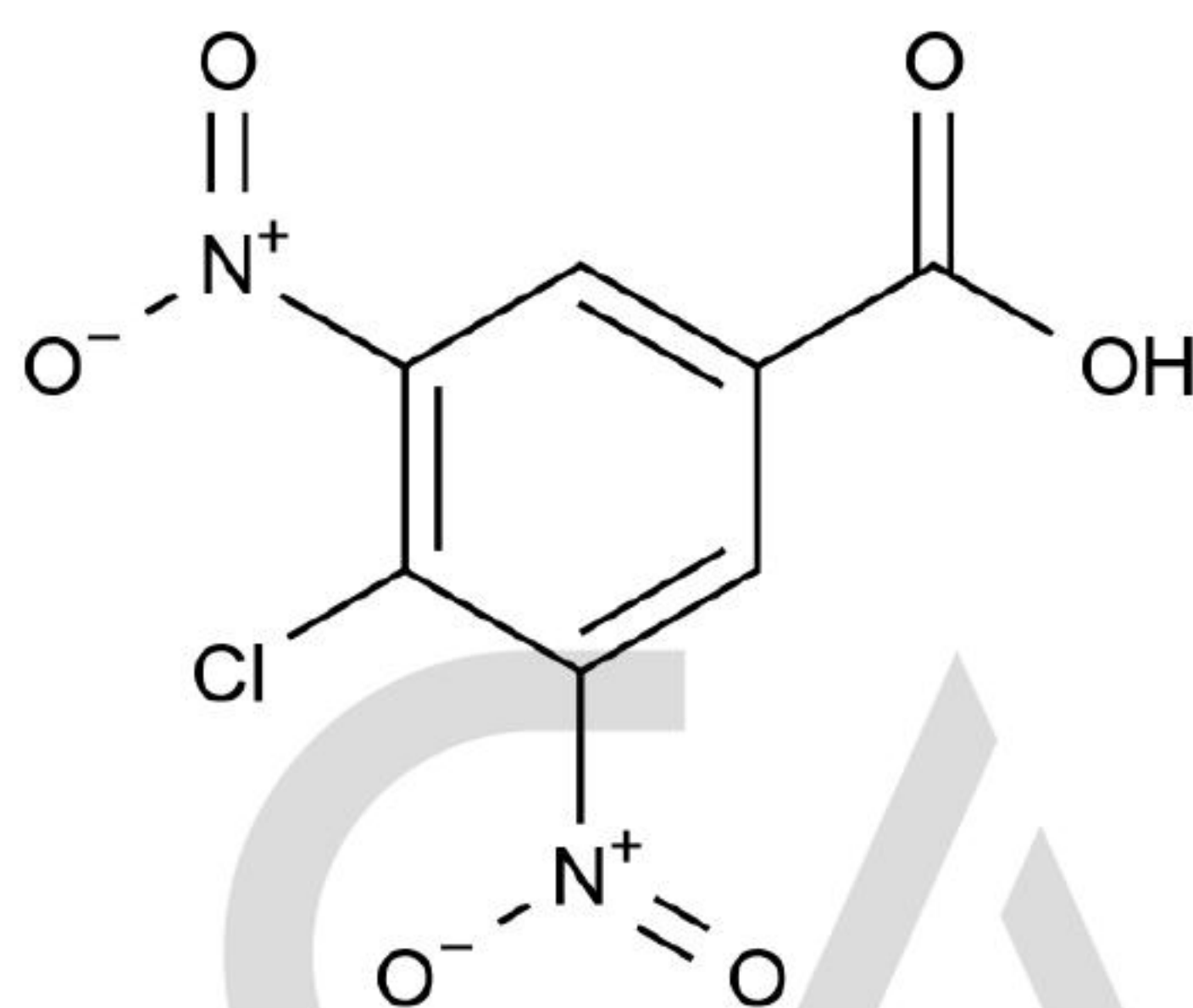


Certificate of Analysis

Reference Material & Standard

Product Name:	Bumetanide Impurity 14	Catalogue Number:	C4X-198614
Synonyms:	4-Chloro-3,5-dinitrobenzoic acid	Lot Number:	0221-RG-0056
CAS Number:	118-97-8	Expiry Date:	Feb 26, 2028
Molecular Formula:	C ₇ H ₃ ClN ₂ O ₆	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	246.56		

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Light Yellow Solid
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	99.567%
Loss On Drying	TGA	0.0022%
Assay		99.6%

Comment:

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.

Signature:

Prepared by:

Nice

Reviewed by:

Koi

Approved by General Manager:

David

Date: Feb 27, 2025

Date: Feb 27, 2025

Date: Feb 27, 2025

