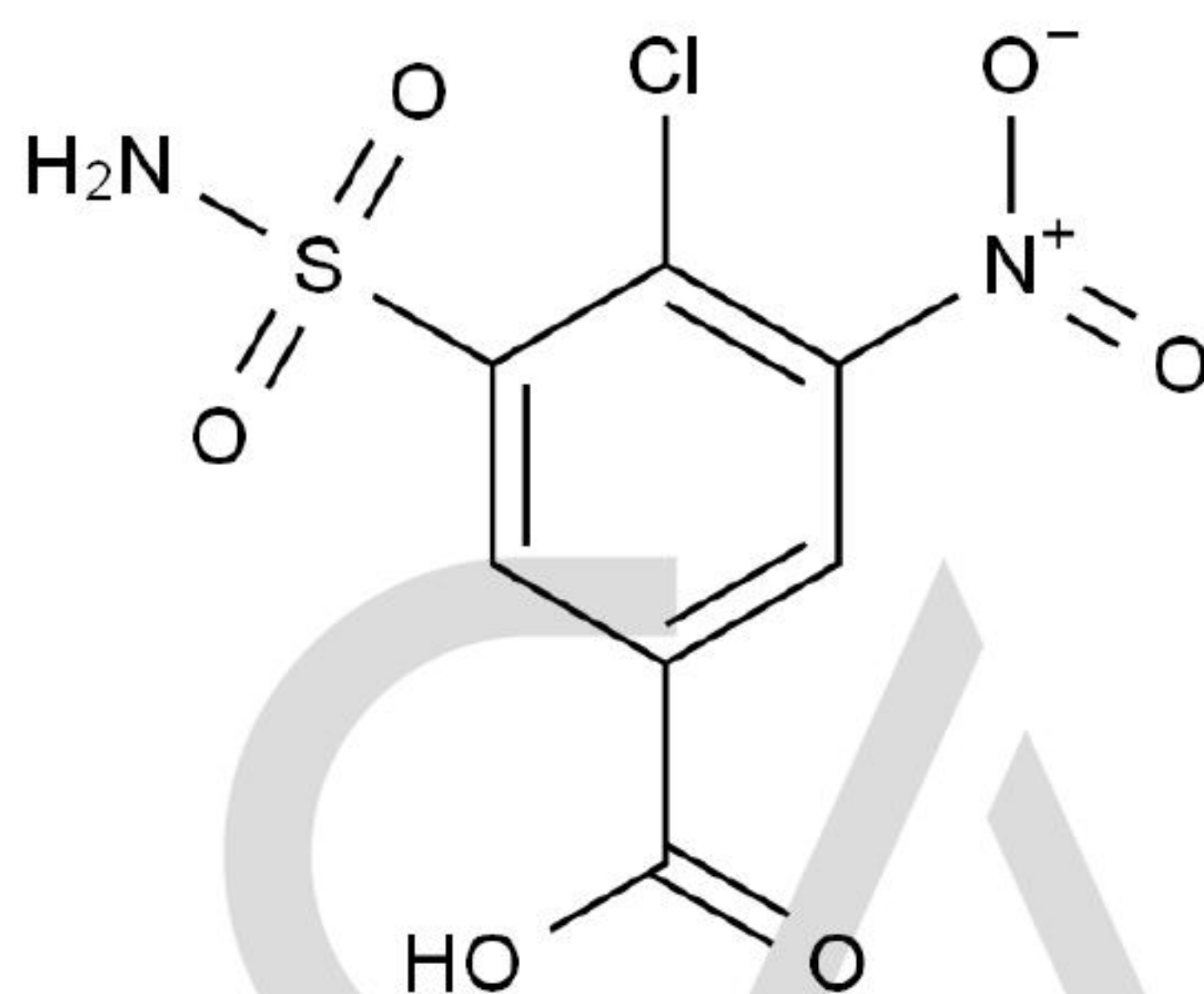


Certificate of Analysis

Reference Material & Standard

Product Name:	Bumetanide Impurity 5	Catalogue Number:	C4X-19865
Synonyms:	N/A	Lot Number:	0425-RE-0067
CAS Number:	22892-96-2	Expiry Date:	May 27, 2028
Molecular Formula:	C ₇ H ₅ ClN ₂ O ₆ S	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	280.64	Warning:	

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White to Off-White Solid
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	95.868%
Loss On Drying	TGA	0.0684%
Assay		95.8%

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:

Koi

Reviewed by:

Lisa

Approved by General Manager:

David

Date: May 28, 2025

Date: May 28, 2025

Date: May 28, 2025

