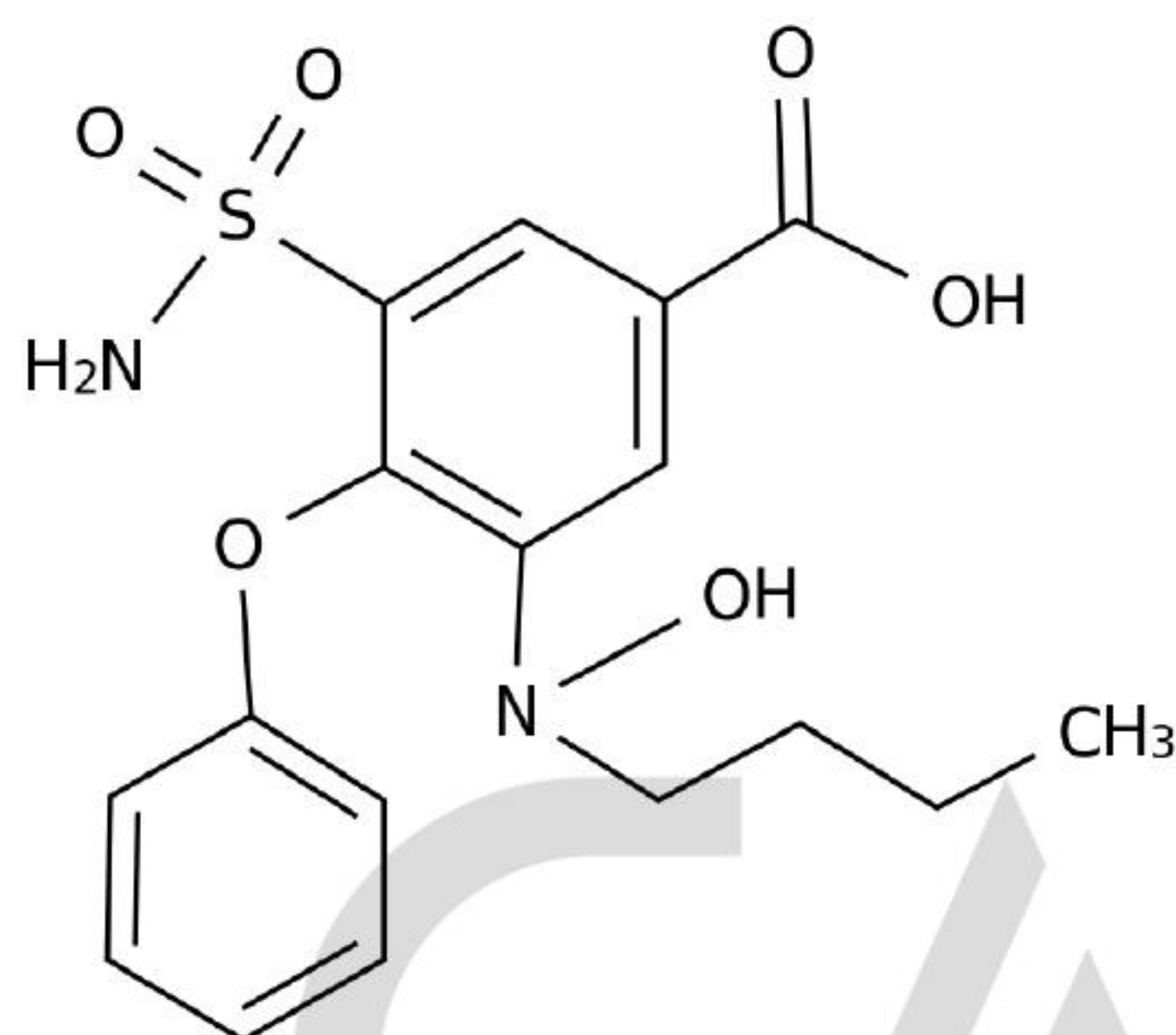


Certificate of Analysis

Reference Material

Product Name:	Bumetanide Impurity 11	Catalogue Number:	C4X-198611
Chemical Name:	N/A	Lot Number:	0425-RE-0081
CAS Number:	N/A	Expiry Date:	Oct 13, 2025
Molecular Formula:	C ₁₇ H ₂₀ N ₂ O ₆ S	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	380.42		

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Off-White Solid
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	95.30%
Loss On Drying	TGA	1.92%
Assay		93.5%

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:

Delia

Reviewed by:

Xenia

Aporoved by General manager:

David

Date: Oct 14, 2022

Date: May 04, 2023

Date: May 04, 2023

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