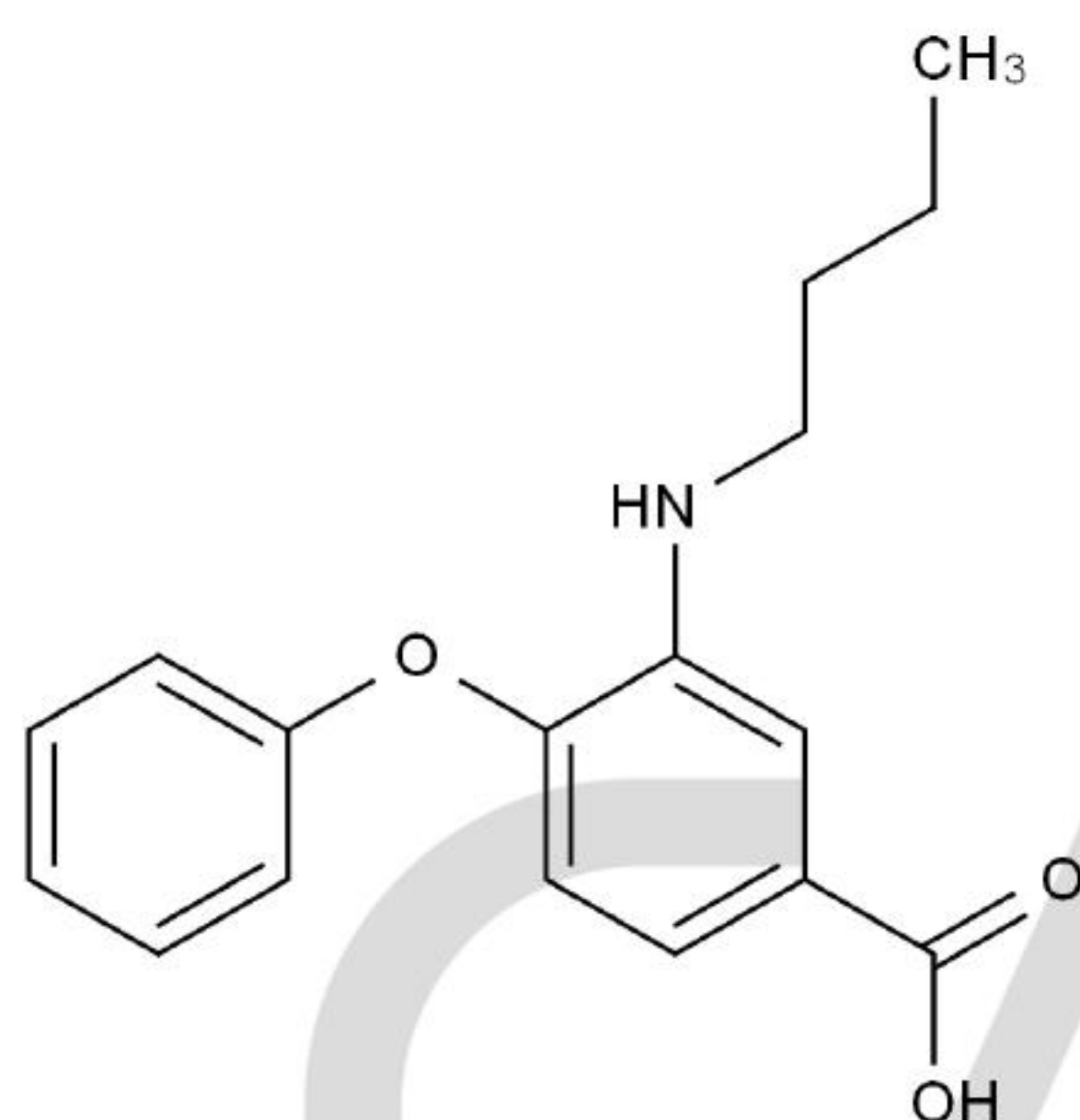


Certificate of Analysis

Reference Material

Product Name:	Bumetanide Impurity 25	Catalogue Number:	C4X-198625
Chemical Name:	N/A	Lot Number:	0617-RE-0027
CAS Number:	105641-65-4	Expiry Date:	Jun 18, 2026
Molecular Formula:	C ₁₇ H ₁₉ NO ₃	Storage:	-20°C±5°C Protected from light and Sealed
Molecular Weight:	285.34		

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White Solid
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	97.178%
Loss On Drying	TGA	0.3726%
Assay		96.8%

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:

Nice

Reviewed by:

Koi

Aporoved by General manager:

David

Date: Sep 15, 2023

Date: Sep 15, 2023

Date: Sep 15, 2023

