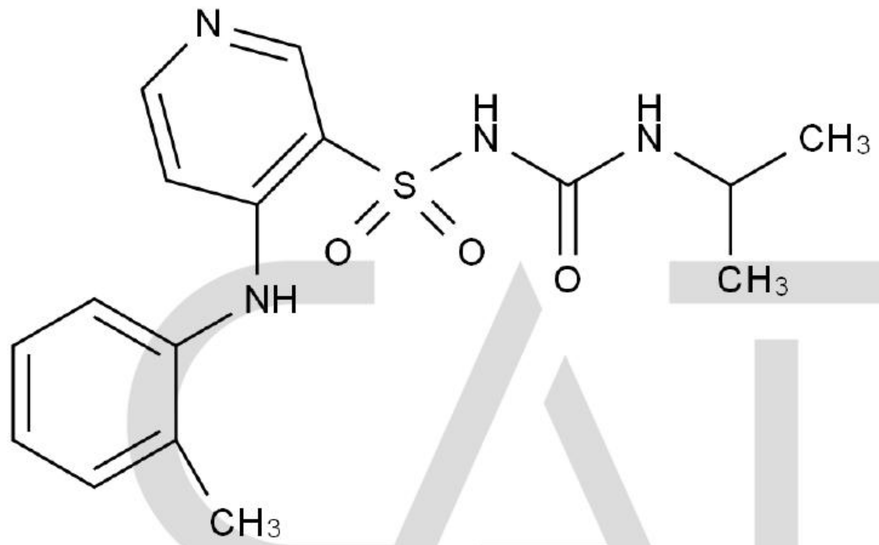
No.: 202508050107

Certificate of Analysis

Reference Material & Standard

Product Name:	Torasemide Impurity 7	**Catalogue Number:**	C4X-18367
Synonyms:	N/A	**Lot Number:**	0807-RG-0076
CAS Number:	106944-62-1	**Expiry Date:**	Aug 11, 2029
Molecular Formula:	C16H20N4O3S	**Storage:**	-20°C±5°C Protected from light and Sealed
Molecular Weight:	348.42	**Warning:**	

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White Solid
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	97.949%
Loss On Drying	TGA	1.8206%
Assay		96.2%

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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: Alice Date: Aug 12, 2025

Reviewed by: Koi Date: Aug 12, 2025

Approved by General Manager: David Date: Aug 12, 2025

CATO Research Chemicals Inc.