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## CERTIFICATE OF ANALYSIS

Analysis Date: Dec 2022

Re-test Date: Nov 2025

**Product Name: Torasemide EP Impurity D**

### Identification:

Chemical Name: 1-Butyl-3-[[4-[(3-methylphenyl)amino]pyridin-3-yl]sulfonyl]urea

Synonyms : Torsemide USP Related  
Compound B

CAS Number : 160972-33-8

CAT Number : CP-T27004

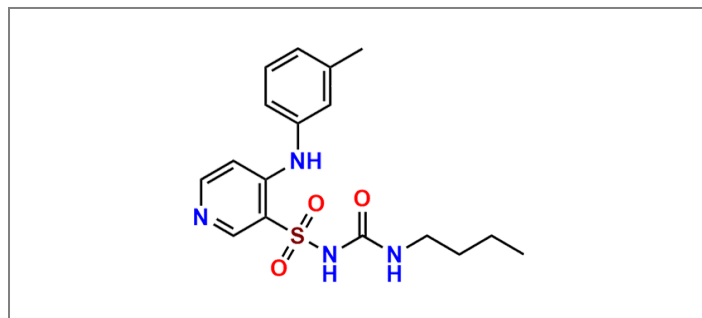
Molecular Formula : C<sub>17</sub>H<sub>22</sub>N<sub>4</sub>O<sub>3</sub>S

Molecular Weight : 362.45

Batch Number : CHEM-TOR-D

Storage Condition : Tightly closed, Inert atmosphere at 2 to 8° C

Shipping condition : All Products are stable to be shipped at room temperature, if specific condition required it is mention in the COA



### Analytical Information:

Sr. No.	Test	Result
1)	Description	White Solid
2)	Solubility	Soluble in Methanol/DMSO
3)	MASS By LCMS	Confirm to structure
4)	Purity By HPLC	98.72%
5)	H1NMR	Confirm to structure
6)	13CNMR	Confirm to structure



**Prepared and Reviewed By**



Ms Priyanka Salunkhe  
(Manager QC Analytical)

**Approved By**



Ms Rohini Gagare  
(QA Head)

Note: Product supplied by Chemicea are for R&D purpose only and not for human consumptions.