



CERTIFICATE OF ANALYSIS

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1. Identification

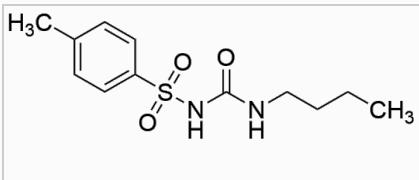
Catalogue Number: T535150

CAS Number: 64-77-7

Product: Tolbutamide

Synonym: N-[(Butylamino)carbonyl]-4-methylbenzenesulfonamide; 1-Butyl-3-(p-tolylsulfonyl)urea; Tolylsulfonylbutylurea; 3-(p-Tolyl-4-sulfonyl)-1-butylurea; N-Butyl-N'-(4-methyl-phenylsulfonyl)urea; Artosin; Artozin; Mabenol; Diabetol; Orabet; Oralin; Orezan; Orinase; Orinaz; Oterben; Pramidex; Rastinon; NSC 23813; NSC 87833;

Structure:



Lot Number: 21-SHG-16-1

Purity: 96%

Shipping Condition: This Product Is Stable To Be Shipped At Room Temperature

Storage Condition: 4°C

Molecular Formula:

C₁₂H₁₈N₂O₃S

Molecular weight:

270.35

Source of Product:

Synthetic

Solubility:

Chloroform (Slightly),
Methanol (Slightly)

2. Warning

Warning 1:

Warning 2:

Warning 3:

3. Analytical Information

Tests:

Appearance

Specifications:

White to Off-White Solid

Results:

White to Off-White Solid

NMR

Conforms to Structure

Conforms

MS

Conforms to Structure

Conforms

HPLC Purity

Report Result

99.22% (230 nm)

Elemental Analysis

Conforms

%C: 52.98, %H: 6.88, %N: 10.41

Additional Information:

N/A

Purity is based on the analytical results of the tests performed. NMR and Elemental Analysis (if available) may have an accuracy of $\pm 2\%$. Isotopic purity is based on mass distribution observed. The contents of the specifications are subject to change without advance notice, and the specification values displayed here are the most up to date values.

4. Signatures

Reviewed By

Sarjeet Kaur

Reviewed By

Toni Rantanen

C of A Approved By

Chanell Chu

Test Date

7/21/2022

Retest Date

7/19/2026