

1. Identification

Catalogue Number

TRC-T535150

Lot Number

1-SCC-101-1

Product Name

Tolbutamide

Synonyms

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

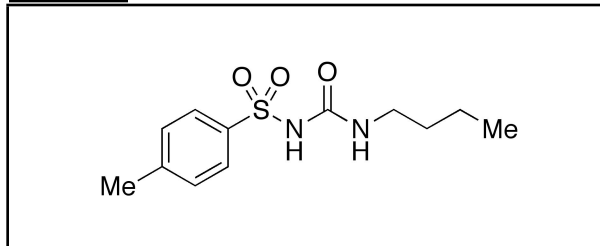
CAS Number

64-77-7

Solubility

Chloroform (Slightly), Methanol (Slightly)

Structure



Shipping Condition

This Product Is Stable To Be Shipped At Room Temperature

Molecular Formula

C₁₂H₁₈N₂O₃S

Source of Product

N/A

Long Term Storage Conditions

4°C

Molecular Weight

270.35

Purity

98%

2. Warnings

Not Determined

3. Analytical Information

Tests

Appearance

Specifications

White to Off-White Solid

Results

Off-White Solid

NMR

Conforms to Structure

Conforms

Elemental Analysis

Conforms

%C: 53.54, %H: 6.97, %N: 10.49

HPLC Purity

>95%

99.93% (230 nm)

MS

Conforms to Structure

Conforms

Additional Information

TLC Conditions: SiO₂; Dichloromethane : Methanol = 9 : 1; Visualized with UV and AMCS; Single Spot, R_f = 0.60.

Elemental Analysis: (Theoretical) %C: 53.31, %H: 6.71, %N: 10.36

Purity is based on the analytical results of the tests performed. NMR and Elemental Analysis (if available) may have an accuracy of ± 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



Neha Khanna

Reviewed by



Toni Rantanen

C of A Approved by



My Nguyen

Test Date

10/2/2019

Retest Date

9/30/2029