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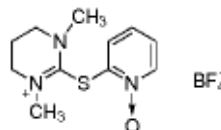
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Certificate of Analysis

Product Name:

2-(1,3-Dimethyl-3,4,5,6-tetrahydropyrimidin-1ium-2-ylthio)pyridine N-oxide tetrafluoroborate - 97%

Product Number: 750433
Lot Number: MKBJ4112V
Brand: ALDRICH
CAS Number: 367252-09-3
Formula: C₁₁H₁₆N₃O₂S · BF₄⁻
Formula Weight: 325.13 g/mol
Storage Temperature: Store at 2 - 8 °C
Quality Release Date: 13 MAR 2012



Test	Specification	Result
Appearance (Color)	White to Light Yellow and Faint Beige to Light Beige and Faint Brown to Light Brown	White
Appearance (Form)	Powder or Crystals	Crystals
Infrared spectrum	Conforms to Structure	Conforms
Proton NMR Spectrum	Conforms to Structure	Conforms
Fluorine NMR Spectra	Conforms to Structure	Conforms
Boron NMR Spectrum	Conforms to Structure	Conforms
Carbon	39.2 - 42.1 %	40.7 %
Nitrogen	12.5 - 13.4 %	13.0 %
Sulfur	9.5 - 10.2 %	9.9 %
Purity (HPLC)	≥ 96.5 %	98.7 %

Jamie Gleason, Manager
 Quality Control
 Milwaukee, Wisconsin US

Sigma-Aldrich warrants, that at the time of the quality release or subsequent retest date this product conformed to the information contained in this publication. The current Specification sheet may be available at Sigma-Aldrich.com. For further inquiries, please contact Technical Service. Purchaser must determine the suitability of the product for its particular use. See reverse side of invoice or packing slip for additional terms and conditions of sale.