



## **Certificate of Analysis**

**Product Name:** 3-(Fluorosulfonyl)-1,2-dimethyl-1H-imidazol-3-ium trifluoromethanesulfonate

 Cat. No.:
 CS-0460052

 CAS No.:
 2179072-33-2

 Batch No.:
 L525475

Chemical Name: 1H-Imidazolium, 3-(fluorosulfonyl)-1,2-dimethyl-, 1,1,1-trifluoromethanesulfonate (1:1)

## PHYSICAL AND CHEMICAL PROPERTIES

**Molecular Formula:**  $C_6H_8F_4N_2O_5S_2$ 

Molecular Weight: 328.26

**Storage:** 2-8°C, sealed storage, away from moisture

**Chemical Structure:** 

$$\begin{array}{c|cccc}
 & O & F & O \\
 & N^{+} & S^{-} & F & S^{-} & O^{-} \\
 & O & F & O
\end{array}$$

## **ANALYTICAL DATA**

Appearance: White to off-white (Solid)

1 H NMR Spectrum: Consistent with structure

**Purity (NMR):** ≥98.0%

**Conclusion:** The product has been tested and complies with the given specifications.

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: 610-426-3128 Fax: 888-484-5008 E-mail: sales@ChemScene.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA

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