

## Certificate of Analysis

Date of Testing: 2023-06-29 16:05:42  
Date of Next Testing: 2026-06-28 16:05:42  
Product Name: **2,8-Difluoro-5-(trifluoromethyl)-5H-dibenzo[b,d]thiophen-5-ium  
Trifluoromethanesulfonate**  
CAS Number: 1961266-44-3  
Specifications & Purity: 98%  
Lot #: F2325917  
SKU #: **D302677**  
Analysis: **230707**  
Storage Temperature: Store at 2-8°C, Argon charged, Desiccated

Parameter	Limit Values	Result
Purity(HPLC area)	98-100 (%)	98.56 %
Appearance(D302677)	White to off-white Solid	White to off-white solid
NMR Spectrum 1H	Conforms to Structure	Conforms to Structure
Fluorine NMR Spectrum	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager