## **Certificate of Analysis**

## ITIC-4F

 Cat. No.:
 HY-125831

 CAS No.:
 2097998-59-7

 Batch No.:
 244832

Chemical Name: Propanedinitrile, 2,2'-[[6,6,12,12-tetrakis(4-hexylphenyl)-6,12-dihydrodithieno[2,3-d:2',3'-d']-s-i

ndaceno[1,2-b:5,6-b']dithiophene-2,8-diyl]bis[methylidyne(5,6-difluoro-3-oxo-1H-indene-2,1(3

H)-diylidene)]]bis-

## PHYSICAL AND CHEMICAL PROPERTIES

Molecular Formula: C<sub>94</sub>H<sub>78</sub>F<sub>4</sub>N<sub>4</sub>O<sub>2</sub>S<sub>4</sub>

Molecular Weight: 1499.90

Storage: Powder -20°C 3 years

4°C 2 years

In solvent -80°C 6 months

-20°C 1 month

**Chemical Structure:** 

## **ANALYTICAL DATA**

Appearance: Brown to black (Solid)

<sup>1</sup> 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.

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