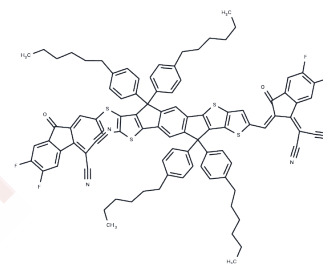


## ITIC-4F

## Chemical Properties

|                   |   |
|-------------------|---|
| CAS No. :         | 2097998-59-7  |
| Formula:          | C94H78F4N4O2S4  |
| Molecular Weight: | 1499.92   |
| Storage:          | Powder: -20°C for 3 years   In solvent: -80°C for 1 year<br>Actual storage temperature shall be subject to the COA. |



## Biological Description

|               |   |
|---------------|---|
| Description   | ITIC-4F, an indacenodithienothiophene (IDTT)-based postfullerene electron acceptor, exhibits wide applicability in high-efficiency binary and ternary single-junction as well as tandem polymer solar cells (PSCs). |
| Targets(IC50) | CXCR  |

## Preparing Stock Solutions

|       | 1mg       | 5mg       | 10mg      |
|-------|-----------|-----------|-----------|
| 1 mM  | 0.6667 mL | 3.3335 mL | 6.667 mL  |
| 5 mM  | 0.1333 mL | 0.6667 mL | 1.3334 mL |
| 10 mM | 0.0667 mL | 0.3334 mL | 0.6667 mL |
| 50 mM | 0.0133 mL | 0.0667 mL | 0.1333 mL |

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

## Reference

Aldrich TJ, et al. Fluorination Effects on Indacenodithienothiophene Acceptor Packing and Electronic Structure, End-Group Redistribution, and Solar Cell Photovoltaic Response. J Am Chem Soc. 2019 Feb 20;141(7):3274-3287.

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