Product Data Sheet

Product Name: ITIC-4F
Cat. No.: GC36353

Chemical Properties

Cas. No.	2097998-59-7		
SMILES	O=C(C1=CC(F)=C(F)C=C1C/2=C(C#N)\C#N)C2=C/C3=CC(SC4=C5C(C6=CC=C(CCCCCC)C=C6)(C7=CC=C(CCCCCC)C=C7)C8=C4C=C(C(C9=CC=C(CCCCCC)C=C9)(C%10=CC=C(CCCCCC)C=C%10)C%11=C%12SC%13=C%11SC(/C=C%14\C(C%15=CC(F)=C(F)C=C%15C%14=O)=C(C#N)\C#N)=(		
Formula	$C_{94}H_{78}F_4N_4O_2S_4$	M.Wt	1499.9
Solubility	Soluble in DMSO	Storage	Store at -20°C
General tips	For obtaining a higher solubility , please warm the tube at 37 ℃ and shake it in the ultrasonic bath for a while.Stock solution can be several months.		
Shipping Condition	Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.		
Structure	ITIC-4F		

Background

ITIC-4F is an indacenodithienothiophene (IDTT)-based postfullerene electron acceptor.ITIC-4F has broad applicability in high-efficiency binary and ternary single-junction as well as tandem polymer solar cells (PSCs)[1].

[1]. 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.

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