
Product Data Sheet

Product Name: PBDB-T
 Cat. No.: GC36860

Chemical Properties

Cas. No. 1415929-80-4

SMILES O=C1C2=C(C3=CC=C(C4=CC5=C(C(C6=CC=C(CC(CC)CCCC)S6)=C(C=C(C)S7)C7=C5C8=CC=C(CC(CC)CCCC)S8)S4)S3)SC(C)=C2C[n]

Formula (C₆₈H₇₈O₂S₈)_n M.Wt

Solubility Soluble in DMSO Storage Store at -20°C

General tips For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure

Background

PBDB-T is a wide bandgap polymer donor in Perylene diimide (PDI)-based polymer solar cells (PSCs)[1].

[1]. Bai Y, et al. Constructing Desired Vertical Component Distribution Within a PBDB-T:ITIC-M Photoactive Layer via Fine-Tuning the Surface Free Energy of a Titanium Chelate Cathode Buffer Layer. *Front Chem.* 2018 Aug 20;6:292.

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

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