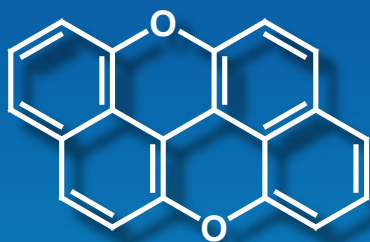


New

MATERIALS



Building Blocks for Organic Semiconductors Containing Oxygen Atoms



peri-Xanthenoxanthene

1g
[X0083]

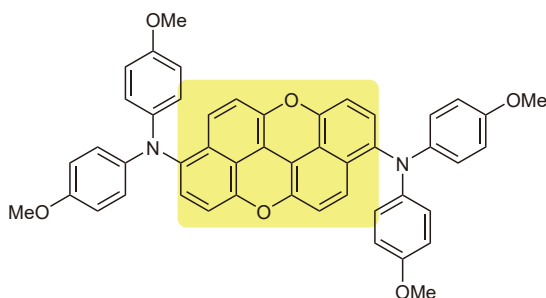


Benzo[1,2-*b*;4,5-*b'*]difuran

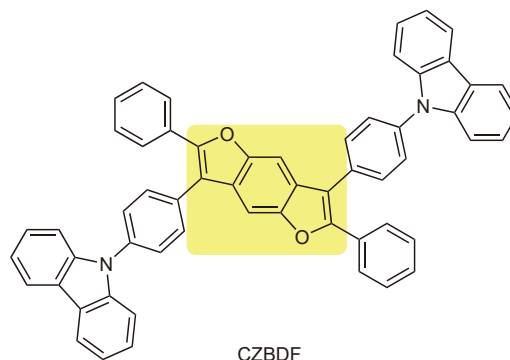
1g
[B6233]

Applications

Hole Transport Material for Perovskite Solar Cells ¹⁾



Bipolar Organic Semiconductor ²⁾



References

- 1) A *peri*-Xanthenoxanthene Centered Columnar-Stacking Organic Semiconductor for Efficient, Photothermally Stable Perovskite Solar Cells
N. Xu, Y. Li, R. Wu, R. Zhu, J. Zhang, S. M. Zakeeruddin, H. Li, Z. Li, M. Grätzel, P. Wang, *Chem. Eur. J.* **2019**, *25*, 945.
<https://doi.org/10.1002/chem.201806015>
- 2) Bis(carbazoyl)benzodifuran: A High-Mobility Ambipolar Material for Homojunction Organic Light-Emitting Diode Devices
H. Tsuji, C. Mitsui, Y. Sato, E. Nakamura, *Adv. Mater.* **2009**, *21*, 3776.
<https://doi.org/10.1002/adma.200900634>

Related Products

CZBDF

2,6-Diphenylbenzo[1,2-*b*;4,5-*b'*]difuran

Benzo[1,2-*b*;4,5-*b'*]dithiophene

200mg / 1g [C2780]

200mg / 1g [D4633]

1g / 5g [B3464]

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