

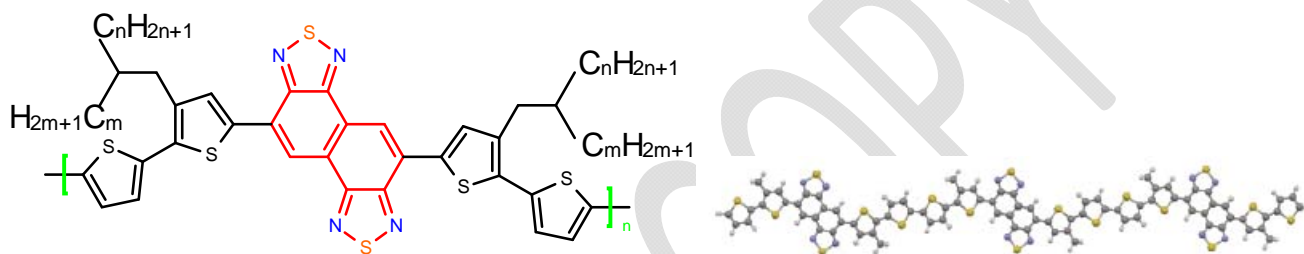
NTz Cored Semiconductors



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Organic Nano Electronic (ONE=I) Materials for these who understand quality

Naphtho[1,2-c:5,6-c']bis[1,2,5]Thiadiazole(NTz) cored semiconductors



Common Name	PNT4T-2OD	PNTz4T	Remark
Identification (n, m)	n = 8, m=10 (C20)	n=10, m=12 (C24)	<p>Energy level (eV) E_{LUMO} -3.36 E_{HOMO} -5.52 2.16 Calculated</p>
CAS No.	1800244-09-0	1357999-90-6	
1M Code	OS0090	OS0906	
Selected Reference	(1) Nature Communications 2014, 5 , 6293	(1) JACS, 2012, 134 , 3498 (2) Nature Photonics, 2015, 9 , 403	
PCE (%)	10.1	10.1	@~300nm (with PC ₇₀ BM) Certified
V _{oc} (V)	0.76	0.708	
J _{sc} (mA cm ⁻²)	19.8	19.40	
FF(%)	68.0	73.4	

