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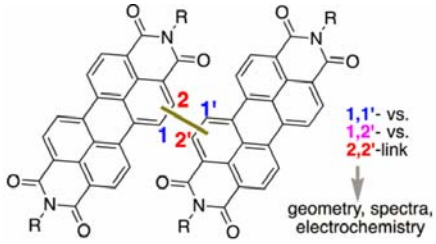
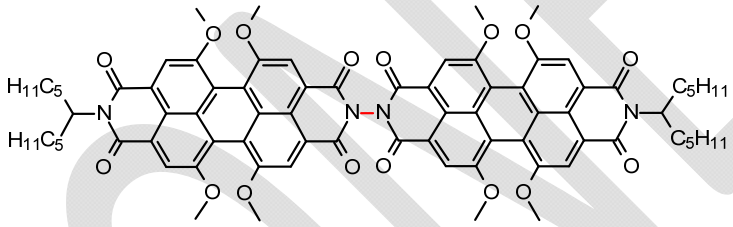
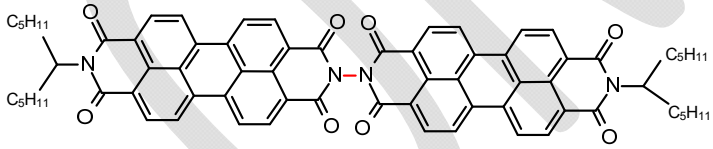
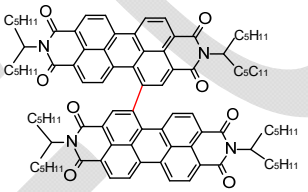
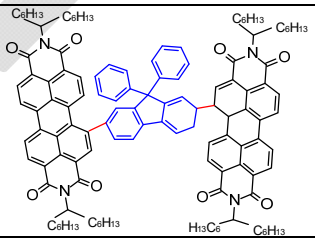
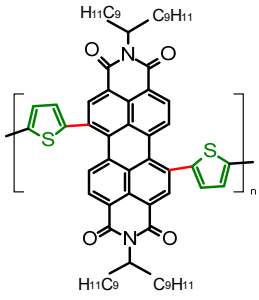
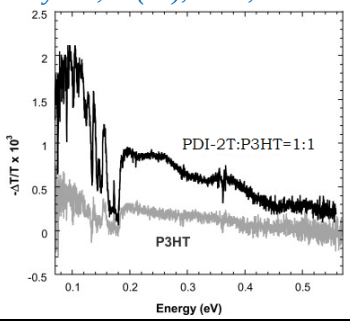


Perylene diimides(PDIs) have attracted interest as dyes and pigments, electron-transporting semiconductors in organic field-effect transistors, two-photon-absorbing chromophores, fluorophores, and acceptors in photoinduced electron-transfer reactions for both fundamental studies and optical limiting. They have also been extensively used as light-harvesting electron-transporting materials in organic solar cells because of their comparable electron affinities to fullerenes, excellent photochemical stability, tunable electronic structure and properties. *ACS Omega*, 2017, *2* (2), pp 377–385

Listing No.	*Common Name CAS No.*	*Structure*	*Reference and Remarks*
OS0444	**P-PDI-OMe** **CAS: NA** Not yet reported		
OS0044	**P-PDI** CAS# 1706546-04-4		
OS0783	**di-PDI** CAS#1609131-78-3		*Chem. Communications*,***2014***, *50(8), 1024* EA(eV) = 4.04, IP(eV)=6.13 HOMO(eV) = -6.1; LUMO(eV)=-4.0 Active layer: PCE-10/di-PDI PCE = 5.9% V_{OC}(V)=0.80; J_{SC}(mA/cm^2)=12.0; FF = 0.59
OS0696	**SF-PDI** CAS# 1643842-69-6		*Energy Environ.Sci.,* ***2015***, *8, 520* EA(eV) = 3.83, IP(eV)=5.90 HOMO(eV) = -5.9; LUMO(eV)=-3.8 Active layer: PCE-11/SF-PDI PCE = 6.3% V_{OC}(V)=0.98; J_{SC}(mA/cm^2)=10.7; FF = 0.57
OS0692	**PDI-2T** CAS#1189046-69-2		*Polymer,* ***51****(11), 2010, 2264* 

Other PDI-Materials may be also available and custom made, please contact info@1-material.com for your needs.