(PTAA)

-MATERIAL
Organic Nano Electronic

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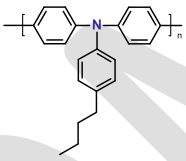
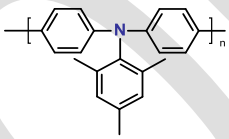
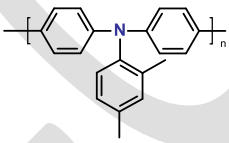
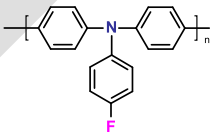
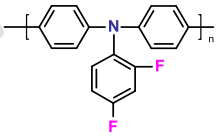
Poly(TriArylAmine)-PTAA

Polytriarylamines(PTAAs) are highly soluble amorphous semiconducting polymers. The nitrogen atoms in the polymer backbone limit delocalization of π electrons between adjacent phenyl units and resulting in low lying HOMO energy levels and excellent oxidative stability. Recently, they have been found of great use in strategically boosting the performance of PEROVSKITE solar cells. 1M has reproduced the following PTAAs constantly for your research and development needs.

1M Code	*Common Name*	*Structure*	*Remarks*
PH0353 PH0299 PE0299	Poly-TPD PTAA-Butyl		CAS# 472960-35-3 Mw ~ 30K, 60, 90K at your choice White linen or beige solid HOMO -5.2eV // LUMO -2.3eV
PH0999	PTAA-3Me		CAS# 1333317-99-9 Mw ~ 50K Natural linen, beige solid HOMO -5.25eV // LUMO -2.30eV
PH0100	PTAA-2Me		CAS# 313996-10-0 Mw ~ 30K Ivory HOMO -5.14eV // LUMO -2.19eV
PH0648	PTAA-F		CAS# 618108-64-8 Mw ~ 25K Beige
PH0104	PTAA-2F		CAS# 1414662-10-4 Mw ~ 20K Beige to light yellow HOMO -5.63eV // LUMO -2.56eV
PH7598	PH7598	Proprietary	Mw ~50K White to beige particles HOMO -5.8eV // LUMO -2.2eV Tg ~200°C

Other PTAAs can be custom made to your specifications, please contact info@1-material.com for more information.