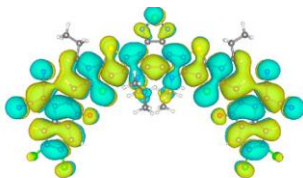
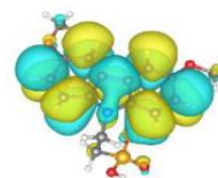


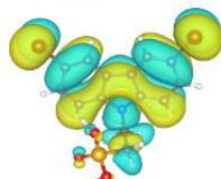
$E_{LUMO} = -2.97$ eV



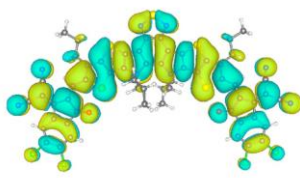
$E_{LUMO} = -3.89$ eV



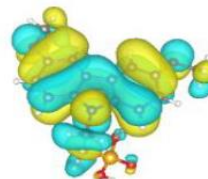
$E_{LUMO} = -2.50$ eV



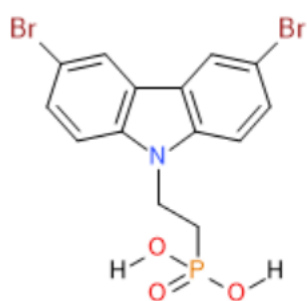
$E_{HOMO} = -6.10$ eV



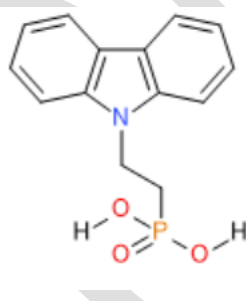
$E_{HOMO} = -5.87$ eV



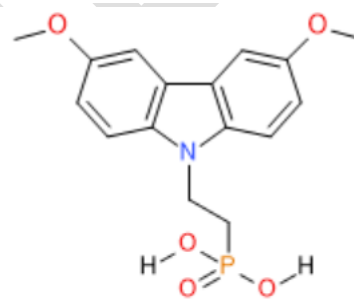
$E_{HOMO} = -5.32$ eV



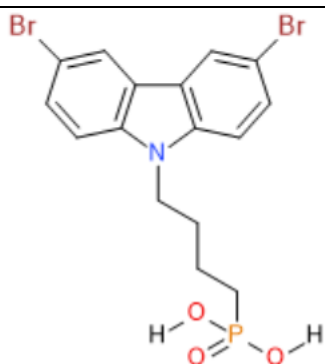
Br-2PACz



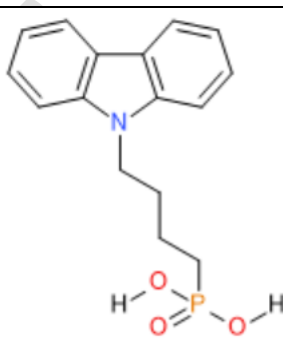
20999-38-6
2PACz



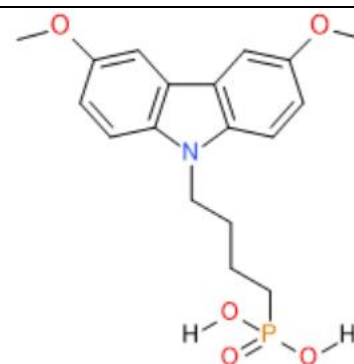
2377770-18-6
MeO-2PACz



Br-4PACz



20999-36-4
4PACz



MeO-4PACz

Self-assembly monolayer(SAM) on ITO enables efficient, versatile and stable photovoltaic cells made from either organic semiconductors (10.1002/cssc.202100707) or perovskite materials (10.1002/aenm.201801892), by optimizing work-function of ITO and facilitating charge extraction and transportation.

Other molecules with phosphonic acid anchoring groups can be custom made, please contact info@1-material.com

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