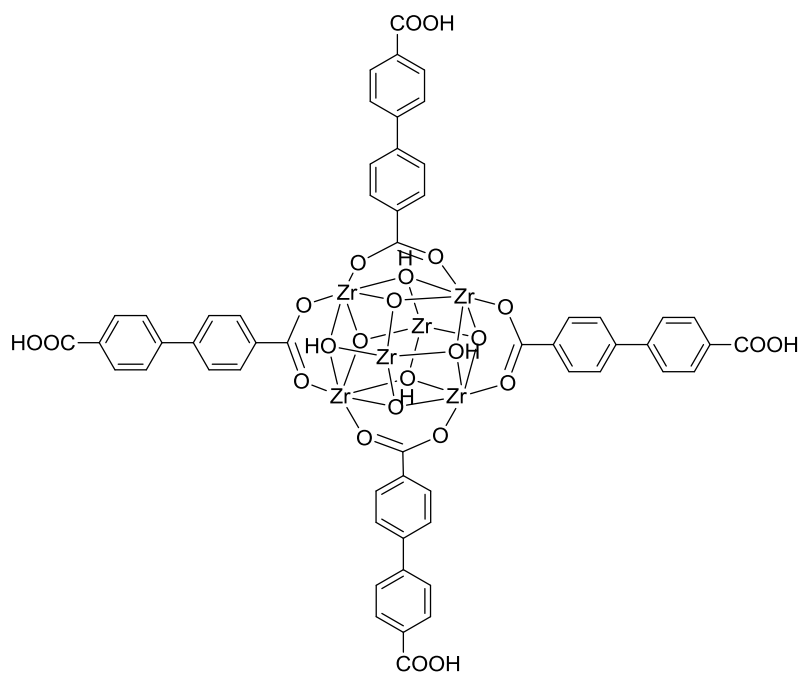


Catalog # 40-1112 Zirconium biphenyldicarboxylate MOF (UiO-66-BPDC/UiO-67, BPDC:Zr=0.9-1.0)



Technical Notes:

1. Metal-organic framework showing excellent stability to water, reversible water vapor adsorption, and increased volumetric capacity for methane adsorption¹
2. Remarkable stability at high temperatures, high pressures and in the presence of different solvents, acids and bases^{2,3}

References:

1. *UiO-67-type Metal-Organic Frameworks with Enhanced Water Stability and Methane Adsorption Capacity*, Inorg. Chem. **2016**, 55, 1986–1991.
2. *H₂ storage in isostructural UiO-67 and UiO-66 MOFs*, Phys. Chem. Chem. Phys., **2012**, 14, 1614–1626.
3. *A New Zirconium Inorganic Building Brick Forming Metal Organic Frameworks with Exceptional Stability*. J. Am. Chem. Soc. **2008**, 130, 13850–13851.