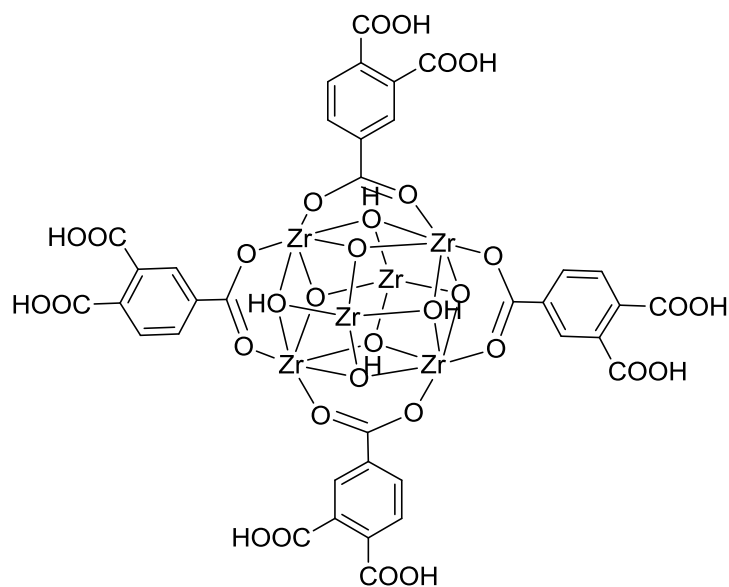


Catalog # 40-1111 Zirconium trimellitate MOF (UiO-66-BDC-COOH, BDC-COOH:Zr=0.9-1.0)



Technical Notes:

1. MOF for which the introduction of copper markedly increases ammonia adsorption capacities¹
2. Functionalized forms show the highest selectivity, good working capacity and medium ranged CO₂ adsorption enthalpy that make these materials very promising for physi-sorption-based processes²

References:

1. *Engineering Copper Carboxylate Functionalities on Water Stable Metal–Organic Frameworks for Enhancement of Ammonia Removal Capacities.* J. Phys. Chem. C, **2017**, 121, 3310–3319.
2. *Functionalizing porous zirconium terephthalate UiO-66(Zr) for natural gas upgrading: a computational exploration.*, Chem. Commun., **2011**, 47, 9603–9605.