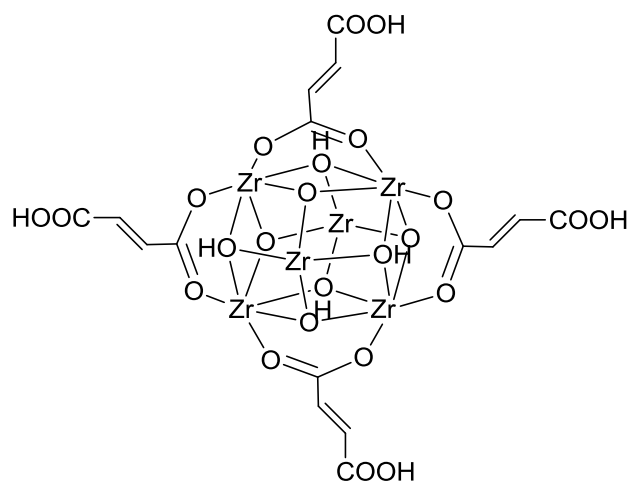


Catalog # 40-1114 Zirconium Fumarate MOF (UiO-66-FA, FA:Zr=0.66-0.98)



Technical Notes:

1. Metalorganic framework used in a large number of studies for the storage of hydrogen or methane<sup>2</sup>
2. Water adsorption in MOF's for many applications such as dehumidification, thermal batteries, and delivery of drinking water in remote areas<sup>3</sup>

References:

1. *Water harvesting from air with metal-organic frameworks powered by natural sunlight.* Science, **2017**, 356, 430–434.
2. *A Facile "Green" Route for Scalable Batch Production and Continuous Synthesis of Zirconium MOFs.* Eur. J. Inorg. Chem. **2016**, 4490-4498.
3. *Water Adsorption in Porous Metal–Organic Frameworks and Related Materials,* J. Am. Chem. Soc., **2014**, 136, 4369–4381.
4. *A water-born Zr-based porous coordination polymer: Modulated synthesis of Zr-fumarate MOF.* Microporous and mesoporous materials , **2015**, 203,186-194.