Chemical Data

Chemical composition:
\[
C_{24}H_{12}O_{13}Zn_4 \quad (M_w = 769.9 \text{ g mol}^{-1})
\]

Min./Max. quantity: 1 g

Air and moisture sensitivity:
unstable against humidity and wet air

Colour: colourless crystals

Particle size: 50 - 500 µm

Single point BET (\(p/p_0 = 0.3\)):
2050 m²g⁻¹

Specific pore volume (\(p/p_0 = 0.9\)):
0.95 cm³g⁻¹

Adsorption isotherm:

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MOF-5
\[\text{Zn}_4\text{O(bdc)}_3\]

Highly Porous Metal-Organic Framework

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Literature