

MIL-101 (Cr)

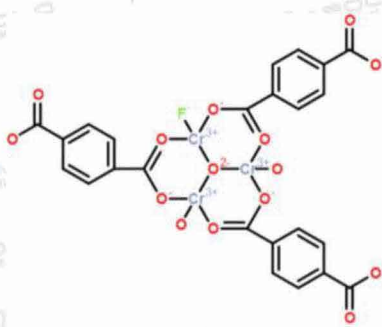
CAT NO.: APL-8692880

PRODUCT INFORMATION

Application

Gas adsorption and separation

Structure



CAS No.

869288-09-5

Molecular Weight

719.36

Molecular Formula

C₂₄H₁₆Cr₃FO₁₅

Appearance

Grey-green

Powder Storage

Store at room temperature or 4 °C in dry-state. Recommend to be activated at 150 °C in a vacuum oven for 3 hours before use.

Pore Volume

2.0-2.4 cm³/g

Pore Size

Window size: 1.2-1.6 nm; pore size: 2.9-3.4 nm

Specific Surface

2800-3200 m²/g (by BET)

Stability

Thermal stability: > 300°C. Stable in air, aqueous, acid and basic solution (pH 1-12).

Size

500-800 nm

Metal

Chromium (Cr)

Ligand

Terephthalic acid (CAS: 100-21-0)

PRODUCT USE LIMITATION

Research use only