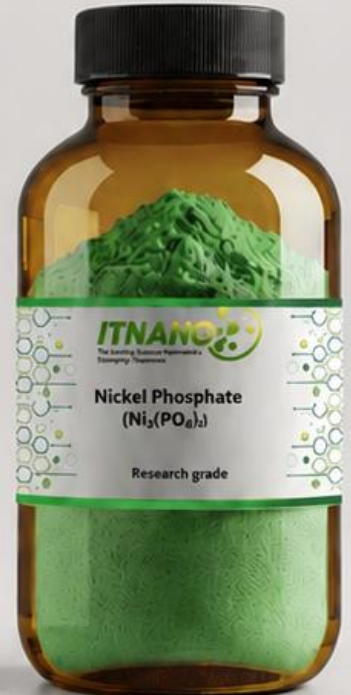


# 2026 Products Catalog



# ITNANO

The Leading Advanced Materials Company in Indonesia



**ITNANO** (CV. Inovasi Teknologi Nano) is a nationally registered brand (IDM000960929) providing high-performance, laboratory-grade functional materials for global research and industrial applications.

Backed by NRE Lab (est. 2020) Indonesia's first private nanomaterials research startup and the **Titian Research Group**, we bridge the gap between advanced material science and commercial scalability

- **Core Product Portfolio:** High-purity Graphene (and derivatives), 2D Materials (MXene and MoS<sub>2</sub>), Metal-Organic Frameworks (MOFs), advanced Metal Oxides ZnO, TiO<sub>2</sub>, MnO<sub>2</sub>, etc.), and conductive polymers.
- **Target Applications:** Next-generation battery technology, advanced composites, solar-driven interfacial evaporation (SDIE), seawater desalination, and supercapacitors.
- **Commercial Availability:** Designed to empower R&D departments and industries, our standardized materials are readily accessible online via **Tokopedia, TikTok Shop, and Shopee.**

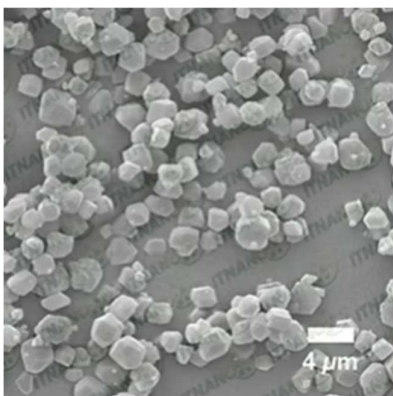
# MOFs

# ZIF-67

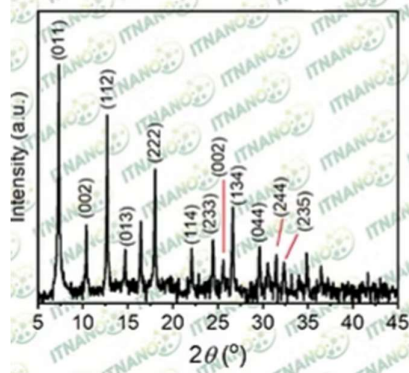
## Zeolitic Imidazolate Framework

CAS No.	Description	Unit Sizes
46201-07-04	Zeolitic Imidazolate Framework	1 g, 2 g, 5 g, and 10 g

SEM Image



XRD Pattern



Properties	
Purity	97 %
Grade	Research Grade
Form	Violet
Molecular formula	C <sub>8</sub> H <sub>10</sub> N <sub>4</sub> Co
Molecular weight	221.1 g/mol
XRD (Structure)	Sodalite Structure
SEM (Particle Size)	1.3 μm
BET Surface Area	1017 m <sup>2</sup> /g

### APPLICATIONS:

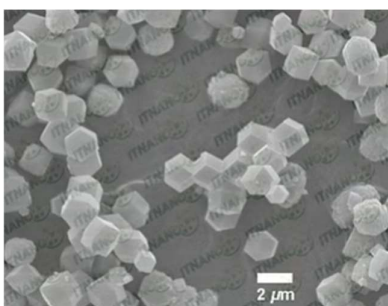
Gas Storage, CO<sub>2</sub> Capture, Separation, Sensing, Catalysis, Drug Delivery, Water Treatment, Supercapacitors, Battery, Etc.

# ZIF-8

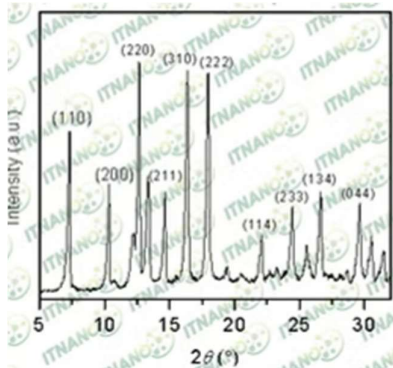
## Zeolitic Imidazolate Framework

CAS No.	Description	Unit Sizes
59061-53-9	Zeolitic Imidazolate Framework	1 g, 2 g, 5 g, and 10 g

SEM Image



XRD Pattern

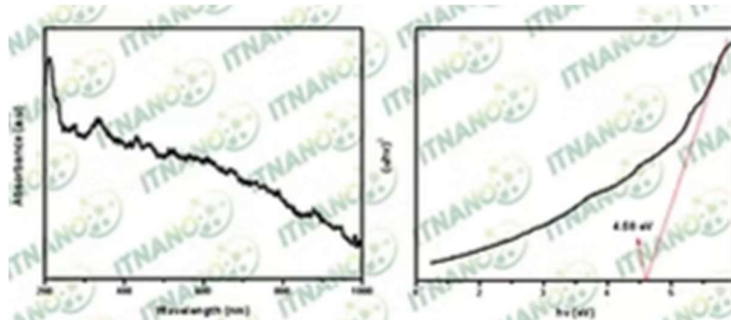


Properties	
Purity	97 %
Grade	Research Grade
Form	White
Molecular formula	C <sub>8</sub> H <sub>12</sub> N <sub>4</sub> Zn
Molecular weight	229.60 g/mol
XRD (Structure)	Sodalite Structure
SEM (Particle Size)	± 2 μm

### APPLICATIONS:

Gas Storage, CO<sub>2</sub> Capture, Separation, Sensing, Catalysis, Drug Delivery, Water Treatment, Supercapacitors, Battery, Etc.

UV VIS Pattern

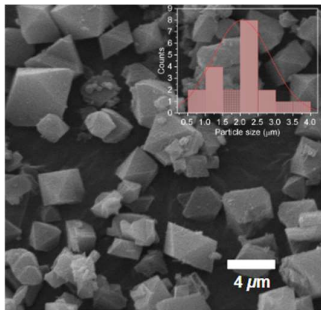


# Cu BTC

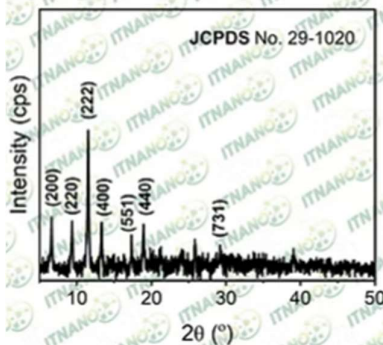
# Cu BTC Copper-1,3,5- Benzene Tricarboxylate

CAS No.	Description	Unit Sizes
51937-85-0	Cu BTC Copper-1,3,5-Benzene Tricarboxylate	1 g, 2 g, 5 g, and 10 g

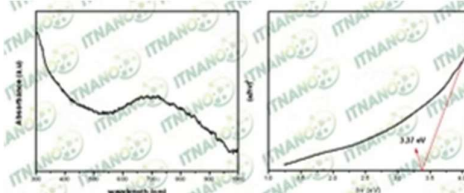
SEM Image



XRD Pattern



UV VIS Pattern



Properties	
Chemical Formula	$C_{18}H_6Cu_3O_{12}$
Form	Powder
Molecular Weight	604.87 g/mol
Color	Light blue powder
Grade	Research Grade

## APPLICATIONS:

Gas Storage, CO<sub>2</sub> Capture, Separation, Sensing, Catalysis, Drug Delivery, Water Treatment, And Energy Storage Applications Such As Supercapacitors And Batteries.

