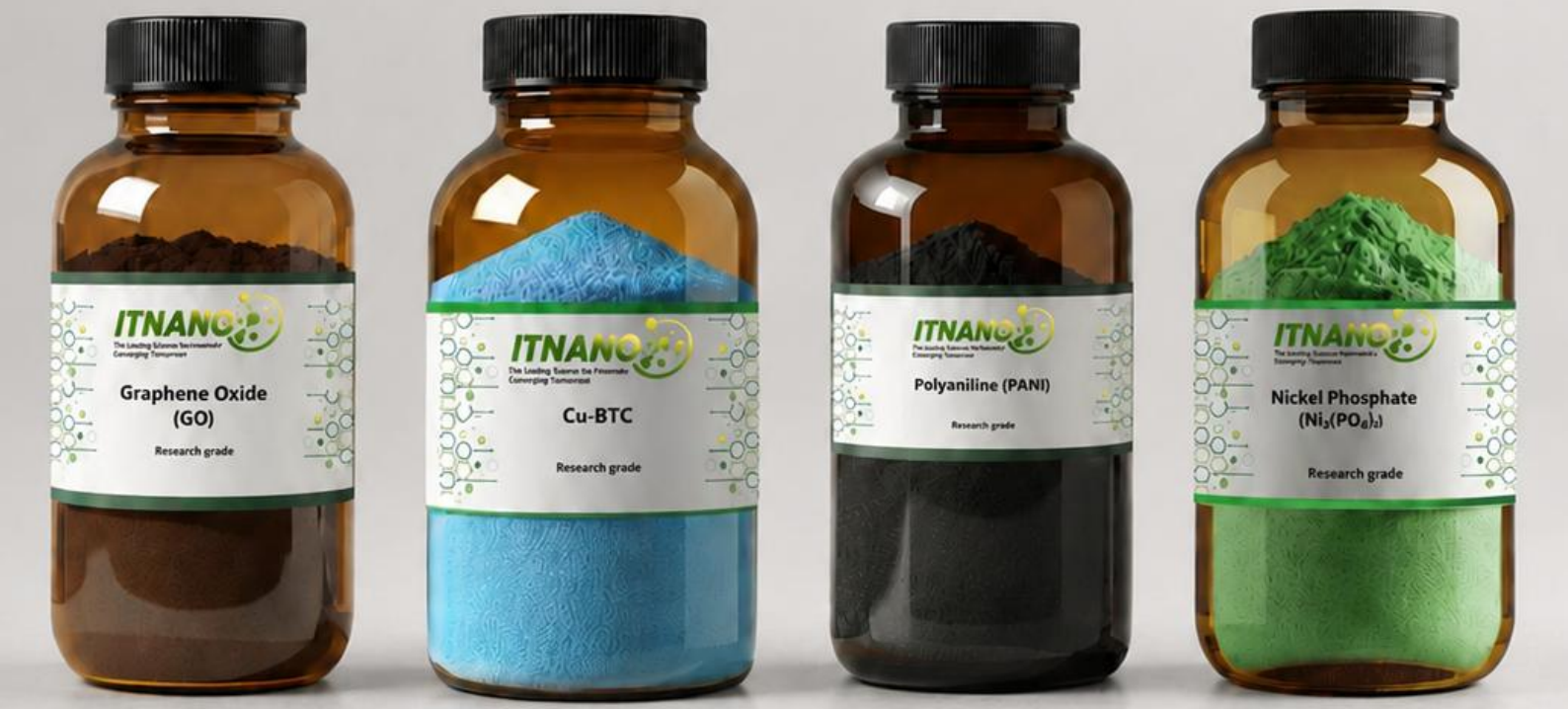
ITNANO
THE LEADING ADVANCED MATERIALS COMPANY IN INDONESIA

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

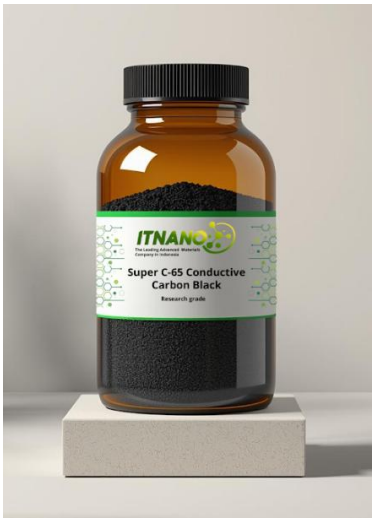
- **Core Product Portfolio:** High-purity Graphene (and derivatives), 2D Materials (MXene and MoS_2), Metal-Organic Frameworks (MOFs), advanced Metal Oxides ZnO, TiO_2, MnO_2, etc.), and conductive polymers.
- **Target Applications:** Next-generation battery technology, advanced composites, solar-driven 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**.

CONDUCTIVE CARBON

CB

Super C-65 Conductive Carbon Black

CAS No.	Description	Unit Sizes
1333-86-4	Super C-65 Conductive Carbon Black	1 g, 2 g, 5 g and 10 g



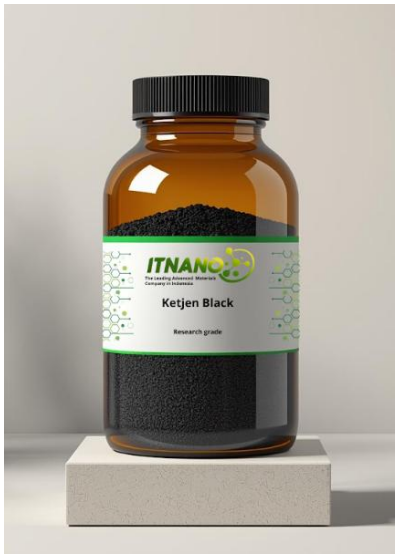
Properties	
Impurity	<30 ppm
Grade	Research Grade
Form	Fine Powder
Pore Volume	400 - 510 ml/ 100 g
Density	17 – 50 g/cm^3
Moisture	<1%
Particle Diameter	200 mesh > 98%, 325 mesh >80%

APPLICATIONS:

Batteries, supercapacitors, black pigments, and other composites.

Carbon Black
Ketjen Black ECP-600JD

CAS No.	Description	Unit Sizes
1333-86-4	Carbon Black Ketjen Black ECP-600JD	1 g, 5 g, 10 g and 50 g



Properties	
Purity	>99,5%
Grade	Research Grade
Form	Fine Powder
Pore Volume	440 - 510 ml/ 100 g
Volatility	1 wt. %
Moisture	<1 wt. %
Particle Diameter	200 mesh > 98%, 325 mesh >80%
Ash Content	0.05%
SSA	1400 m2/g
Resistivity	0.3 – 1 Ohm.cm

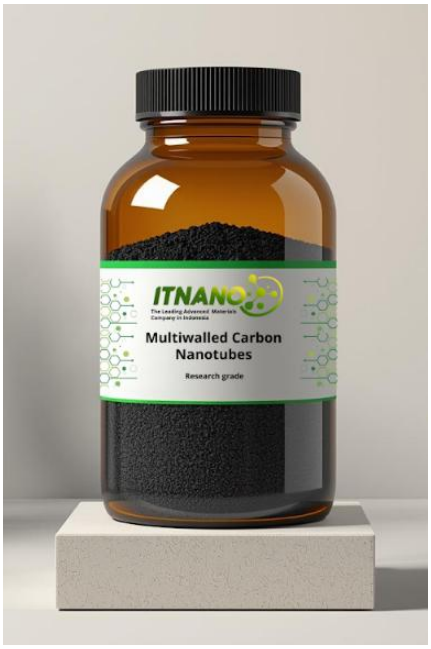
APPLICATIONS:

Batteries, fuel cells, supercapacitors, sensors, and related electrochemical devices

MWCNTs

Multiwalled Carbon Nanotubes

CAS No.	Description	Unit Sizes
308068-56-6	Multiwalled Carbon Nanotubes	1 g, 2 g, 5 g and 10 g



Properties	
Purity	99 %
Grade	Research Grade
Form	Fine Powder
Specific Surface Area	350-450 m^2/g
Moist Content	< 0.5%
Length	10-50 µm
Outer Diameter	5-10 nm

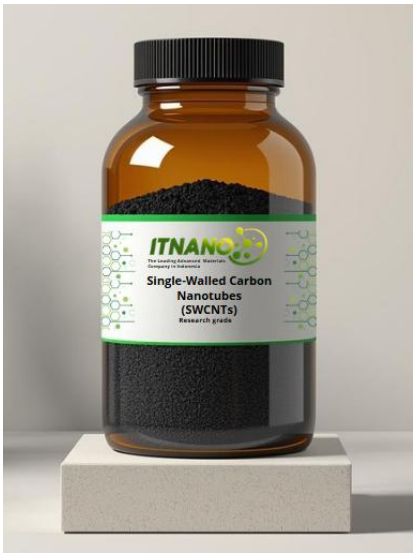
APPLICATIONS:

Material for batteries, supercapacitors, composite materials, anti-corrosion coatings, conductive materials, coatings, sensors, electromagnetic shielding, photocatalysis, and solar cells

SWCNTs

Single-Walled Carbon Nanotubes

CAS No.	Description	Unit Sizes
308068-56-6	Single-Walled Carbon Nanotubes	1 g, 2 g, 5 g and 10 g



Properties	
Grade	Research Grade
Black Powder	Fine Powder
Moist Content	2,5%
Electrochemical Capacitance	719.60 F/g @ 1 A/g

APPLICATIONS:

Electrode materials for batteries and supercapacitors, high-performance composite materials, conductive materials, coatings, sensors, nanoelectronics devices, transparent conductive films, energy storage materials, as well as applications in the biomedical field and solar cells.