CD BioGlyco
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Product Information

Silver nanoparticle-decorated cobalt-zinc nitride materials (Ag/CoZnN)

Cat. No.: X26-06-ZQ2863

Size: 100 mg; 250 mg; 500 mg; 1 g; 5 g

Synonym: Ag/CoZnN; Silver nanoparticle-decorated cobalt-zinc nitride composites; AgNP-loaded CoZnN multi-metal nitride structures; Silver nanoparticle anchored cobalt-zinc nitride nanomaterials

This product is for research use only and is not intended for diagnostic use.

Product Information

Description	This advanced inorganic material features a heterogeneous design consisting of a crystalline ternary cobalt-zinc nitride (CoZnN) structural framework decorated with metallic silver (Ag) nanoparticles. The integration of the metallic nitrides provides excellent intrinsic electrical conductivity and distinct electronic band states, while the anchored silver nanoparticles introduce high noble-metal surface areas and plasmonic characteristics. This composition displays exceptional structural durability and unique electronic band alignments across wide fluid pH scales.
Source	Custom synthesis
Form	Solid or powder
Purity	≥95%
Impurities	No visible impurities to the naked eye.
Identity	HPLC/MS/NMR
Stability	This product is stable for one year when stored at the recommended temperature in lyophilized powder.
Quality Level	Research grade
Applications	This product can be used to study electronic coupling within transition metal nitride-metal junctions, evaluate electrochemical charge storage kinetics, and test heterogeneous electrocatalyst configurations.
Storage	Store at -20ºC.