

EUROPIUM DOPED Gadolinium Oxysulfide NANOPOWDER



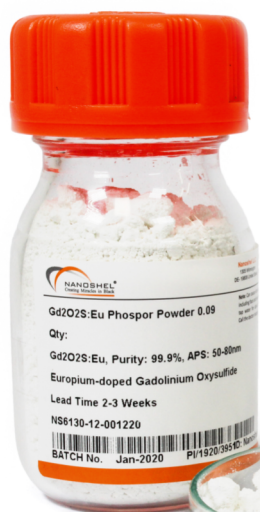
Quick Facts

Product	:	Europium Doped Gadolinium Oxysulfide Nanopowder
Stock No	:	NS6130-12-001220
CAS	:	68609-43-8
Form	:	Powder
Purity	:	99.9%
Color	:	White
APS	:	50-80nm
Mol Weight	:	537.49 g/mol

Eu³⁺ doped gadolinium oxysulfides have emerged as promising candidates for biological imaging, owing to their high photochemical stability, tunable fluorescence emission; negligible photobleaching and large Stokes shift. Gd₂O₂S:Eu with excellent radiostability, as well as enhanced radioluminescence efficiency in vivo. Gd₂O₂S:Eu powder scintillator screens for use in medical imaging applications. Gd₂O₂S:Eu showed excellent compatibility with the sensitivity of many currently used photodetector and considered for applications in x-ray imaging especially in various digital detectors.

Applications

- ✓ Medical imaging applications
- ✓ X-ray imaging in various digital detectors



APS
50-80nm

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NS6130-12-001220

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20ZICE4589C



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