BioGraphene Gr-HS

Catalogue number: 153981
Sub-type:
Images:

Contributor

Inventor:
Institute: University of Connecticut
Images:

Tool details

*FOR RESEARCH USE ONLY

Name: BioGraphene Gr-HS

Alternate name:

Class:
Conjugate:
Description: High quality graphene with good colloidal stability and low toxicity that has direct use in cell culture studies and other biological applications such as drug delivery, bioelectronics and biosensors. Prepared in biocompatible media (serum) for high stability and low nanotoxicity
Purpose:
Parental cell:
Organism:
Tissue:
Model:
Gender:
Isotype:
Reactivity:
Selectivity:
Host:
Immunogen:
Immunogen UNIPROT ID:
Sequence:
Growth properties:
Production details:
Formulation:
Recommended controls:
Bacterial resistance:
Selectable markers:

Additional notes: Human seum coated graphene. Aqueous solution (5 ml); BioGraphene; shelf life of 35 days; 2.9 mg/ml. **Highlights**: High colloidal stability, Low toxicity, Protein-coated, Biocompatible

Target details

Target:

Target alternate names:

Target background:

Molecular weight:

Ic50:

Applications

Application:
Application notes:

Handling

Format:
Concentration:
Passage number:
Growth medium:
Temperature:
Atmosphere:
Volume:
Storage medium:
Storage buffer:
Storage conditions:
Shipping conditions:

Related tools

Related tools:

References

References: Pattammattel et al. 2017. Langmuir. 33(49):14184-14194. PMID: 29144756. ; Controlling the Graphene-Bio Interface: Dispersions in Animal Sera for Enhanced Stability and Reduced Toxicity. ;

BioGraphene: Direct Exfoliation of Graphite in a Kitchen Blender for Enzymology Applications. ; Kumar et al. 2016. Methods Enzymol. 571:225-44. PMID: 27112402.