NANOCS

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TECHNICAL DATA SHEET

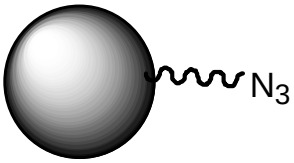
Agarose Beads, azide functional

Catalog Numbers: AR-AZ-1

Synonym: Azido functional agarose, Agarose-N3 beads

Description:

Azide functionalized agarose beads (Agarose-N3) from Nanocs were made by the covalent attachment of azido functional group to 4% cross-linked agarose beads. Azide groups can be used to react with linear alkye group via Click Chemistry. This reaction proceeds well in aqueous solution catalyzed by cooper ions. These beads can also react with cycloalkyne such as DBCO directly without need any catalyst. Nanocs azide functionalized agarose beads offer high reactivity to alkyne functional peptides, proteins, antibodies and many other biomolecules.



Product Specifications:

- **Bead Matrix**: 4% cross-linked agarose bead.
- **Bead Size**: 50~150 microns.
- **Ligand**: Azide group.
- **Storage Solution**: De-ionized water containing 20-30% ethanol/isopropanol.
- **Azide conc**.: 40~60 umol/mL settled beads

Handling and Use:

Azide functionalized agarose beads can be used for biomolecules capturing via **Click Chemistry** though azide-alkyne reaction. For detailed procedure, please refer to our website at www.nanocs.net.

Storage Conditions:

Product should be stored at 4-8 ^{0}C for best use. **Do not freeze.**

Notes:

Recommended pH: Working: 3-10.

Temperature Stability: 4-40 ^{0}C.

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

To Order:

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Order by phone:	1(800) 388-4221; 1(888) 908-8803

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