

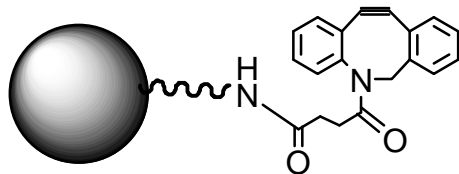
**TECHNICAL DATA SHEET**

## Agarose Beads, DBCO functional

Catalog Numbers: AR-DB-1

### Description:

**DBCO conjugated agarose beads** (Agarose-DBCO) were made by the covalent attachment of DBCO functional group to 4% cross-linked agarose beads. Dibenzylcyclooctyne (DBCO) is a useful "Click Chemistry" reagent that reacts quickly and efficiently with azide containing ligands. DBCO



react with azide groups in aqueous solution without need toxic copper ion catalyst. DBCO functionalized agarose can be used to immobilize and purify biomolecules containing azide group.

### Product Specifications:

- **Bead Matrix:** 4% cross-linked agarose bead.
- **Bead Size:** 50~150 microns.
- **Ligand:** DBCO group.
- **Ligand density:** 40~60  $\mu\text{mol/mL}$  beads.
- **Storage Solution:** De-ionized water containing 20-50% ethanol.

### Handling and Use:

**DBCO functionalized agarose beads** can be used for biomolecules capturing via **Click Chemistry** through azide-alkyne reaction. For detailed procedure, please refer to our website at [www.nanocs.net](http://www.nanocs.net).

### Storage Conditions:

**DBCO Agarose beads** should be stored at 4-8 °C for best use. **Do not freeze.**

### Notes:

*Recommended pH:* Working: 3-10.

*Temperature Stability:* 4-40 °C.

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

### To Order:

Order online: **[www.nanocs.net](http://www.nanocs.net)**

Order by Email: [sales@nanocs.com](mailto:sales@nanocs.com)

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

For more information, visit [www.nanocs.net](http://www.nanocs.net)