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## Product Datasheet

### 5-Ethynyl-2-deoxycytidine (5-EdC), CAS [[69075-47-4]] BCL-BCN-004-50

|                          |                                                                                                                                                                                                                                                                                                                                                                                                            |
|--------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Artikelname              | 5-Ethynyl-2-deoxycytidine (5-EdC), CAS [[69075-47-4]]                                                                                                                                                                                                                                                                                                                                                      |
| Artikelnummer            | BCL-BCN-004-50                                                                                                                                                                                                                                                                                                                                                                                             |
| Hersteller Artikelnummer | BCN-004-50                                                                                                                                                                                                                                                                                                                                                                                                 |
| Alternativnummer         | BCL-BCN-004-50                                                                                                                                                                                                                                                                                                                                                                                             |
| Hersteller               | baseclick                                                                                                                                                                                                                                                                                                                                                                                                  |
| Kategorie                | Biochemikalien                                                                                                                                                                                                                                                                                                                                                                                             |
| Produktbeschreibung      | 5-Ethynyl-2-deoxycytidine (5-EdC) is a cytidine analog that incorporates into newly synthesized DNA and can be fluorescently labeled via click chemistry...                                                                                                                                                                                                                                                |
| Molekulargewicht         | 251.24 g/mol                                                                                                                                                                                                                                                                                                                                                                                               |
| Reinheit                 | 95% (HPLC)                                                                                                                                                                                                                                                                                                                                                                                                 |
| Formulierung             | Solid                                                                                                                                                                                                                                                                                                                                                                                                      |
| CAS Nummer               | [69075-47-4]                                                                                                                                                                                                                                                                                                                                                                                               |
| Formel                   | C <sub>11</sub> H <sub>13</sub> N <sub>3</sub> O <sub>4</sub>                                                                                                                                                                                                                                                                                                                                              |
| Anwendungsbeschreibung   | EdC is an effective tool for tracking DNA replication and repair. Compared to the widely used thymidine analog EdU, 5-EdC exhibits significantly lower cytotoxicity, causes less disruption to nucleotide metabolism, and is compatible with studies of DNA methylation and epigenetic dynamics. These properties make 5-EdC a superior choice for long-term or sensitive labeling of proliferating cells. |