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Product Datasheet

5-Ethynyl-2-deoxycytidine (5-EdC), CAS [[69075-47-4]] BCL-BCN-004-100

Artikelname	5-Ethynyl-2-deoxycytidine (5-EdC), CAS [[69075-47-4]]
Artikelnummer	BCL-BCN-004-100
Hersteller Artikelnummer	BCN-004-100
Alternativnummer	BCL-BCN-004-100
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 ₁₁ H ₁₃ N ₃ O ₄
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.