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Product Datasheet

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

Article Name	5-Ethynyl-2-deoxycytidine (5-EdC), CAS [[69075-47-4]]
Biozol Catalog Number	BCL-BCN-004-100
Supplier Catalog Number	BCN-004-100
Alternative Catalog Number	BCL-BCN-004-100
Manufacturer	baseclick
Category	Biochemikalien
Product Description	5-Ethynyl-2-deoxycytidine (5-EdC) is a cytidine analog that incorporates into newly synthesized DNA and can be fluorescently labeled via click chemistry...
Molecular Weight	251.24 g/mol
Purity	95% (HPLC)
Form	Solid
CAS Number	[69075-47-4]
Formula	C ₁₁ H ₁₃ N ₃ O ₄
Application Notes	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.