Dde Cleavable Linkers

Dde Cleavable Linkers can be used to introduce biotin components into biomolecules containing alkynes using click chemistry. Hydrophilic spacer arms improve the solubility of labeled molecules in hydrophilic media. The Dde protective group allows the use of hydrazine under mild conditions to release captured biotinized molecules from Streptomyces antibiotin proteins or antibiotin proteins. Due to their rupture resistance and specific cracking conditions, many Dde-based linkers have been developed for a variety of applications, including SPPS, oligosaccharide synthesis, etc.

CD Bioparticles' services with customized delivery strategies, precise designs and modifications of drugs or drug-contained cargos, and advanced technical platforms can help you to solve:

The challenges you might meet:

- Drugs have a shorter circulation time in the blood
- Drugs cannot penetrate deep into tumor tissue to reach tumor cells
- Linkers are unable to lyse rapidly in target tumor tissue causing toxic accumulation
- Instability of linkers causes damage to normal tissue cells
- The immunogenicity of linkers affects the efficacy of target drugs
- Intracellular drug release is difficult to achieve
- Cleavable linkers cannot break under specific conditions

Dde Cleavable Linkers Key features:

- Dde Biotin-PEG4-alkyne
- Dde Biotin-PEG4-azide
- Dde Biotin-PEG4-DBCO
- Dde Biotin-PEG4-Picolyl azide

Dde Cleavable Linkers Key benefits:

- Low immunogenicity
- High tumor affinity and specificity
- Increase the hydrophilicity of the loaded drugs

- High bioavailability and biocompatibility
- Rupture resistance and specific cracking conditions
- Suitable for in vitro and in vivo experiments
- Ready-to-use

Dde Cleavable Linkers Application candidates:

- SPPS
- Oligosaccharide synthesis
- Polyamine synthesis
- Affinity purification
- Protein labeling