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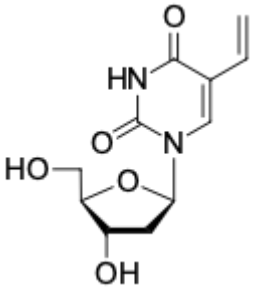
VdU (5-Vinyl-2'-deoxyuridine)

http://cn.lumiprobe.com/p/vdu-vinyl-deoxyuridine

VdU (5-Vinyl-2’-deoxyuridine) is a synthetic analog of thymidine that can be used to study *de novo* DNA synthesis and cell proliferation. It is a potential replacement for BrdU (5-Bromo-2’-deoxyuridine) or EdU (5-Ethynyl-2’-deoxyuridine).

VdU incorporates into replicating DNA during the S-phase of the cell cycle instead of natural thymidine. The resulting vinyl-functionalized DNA can be detected by introducing either a biotin or fluorescent dye group via a cooper-free alkene-tetrazine reaction (also known as Inverse electron demand Diels-Alder ligation or IEDDA) and used for subsequent DNA purification or cell imaging tasks.



外观:

分子量: 254.24

CAS 编号: 55520-67-7

分子式: $C_{11}H_{14}N_2O_5$

溶解度:

质量控制:

储存条件: