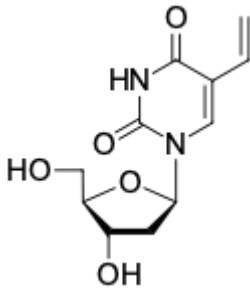


VdU (5-Vinyl-2'-deoxyuridine)

<http://hk.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 copper-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: