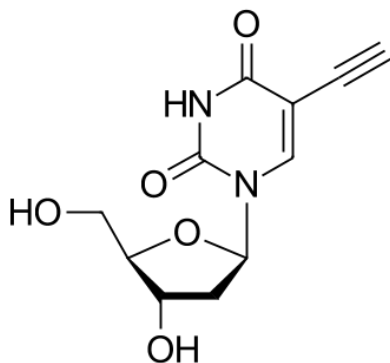


EdU (5-Ethynyl-2'-deoxyuridine)

<http://www.lumiprobe.com/p/edu-ethynyl-deoxyuridine>

EdU (5-ethynyl-2'-deoxyuridine) is a nucleoside, an analog of thymidine, carrying an ethynyl group. This nucleoside behaves as a substrate for cellular DNA replication machinery. After EdU incorporation, DNA containing ethynyl groups can be ligated by click chemistry reaction with various [dye azides](#). Fluorescent DNA can be detected with microscopy, or cells can be sorted with FACS.



EdU (ethynyl deoxyuridine) structure

General properties

Appearance: light beige to light brown solid

Molecular weight: 252.22

CAS number: 61135-33-9

Molecular formula: C₁₁H₁₂N₂O₅

Solubility: in water, DMSO

Quality control: NMR ¹H, HPLC-MS (95%)

Storage conditions: Storage: 24 months after receipt at -20°C in the dark. Transportation: at room temperature for up to 3 weeks.