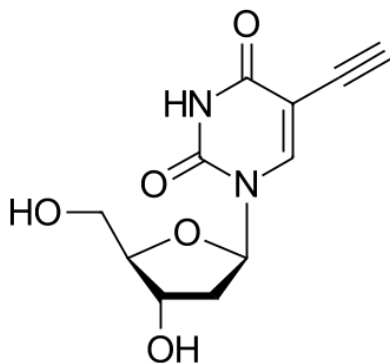


## EdU (5-Ethynyl-2'-deoxyuridine)

<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**

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### General properties

Appearance: light beige to light brown solid

Molecular weight: 252.22

CAS number: 61135-33-9

Molecular formula: C<sub>11</sub>H<sub>12</sub>N<sub>2</sub>O<sub>5</sub>

Solubility: in water, DMSO

Quality control: NMR <sup>1</sup>H, 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.