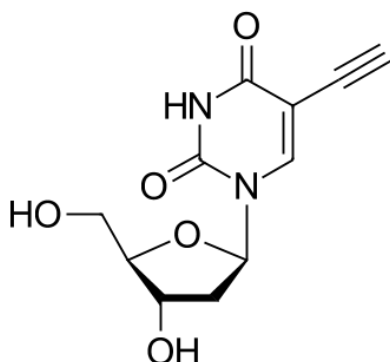


## EdU (5-Ethynyl-2'-deoxyuridine)

<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:  $C_{11}H_{12}N_2O_5$

Solubility: in water, DMSO

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

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

Legal statement: This Product is offered and sold for research purposes only. It has not been tested for safety and efficacy in food, drug, medical device, cosmetic, commercial or any other use. Supply does not express or imply authorization to use for any other purpose, including, without limitation, in vitro diagnostic purposes, in the manufacture of food or pharmaceutical products, in medical devices or in cosmetic products.