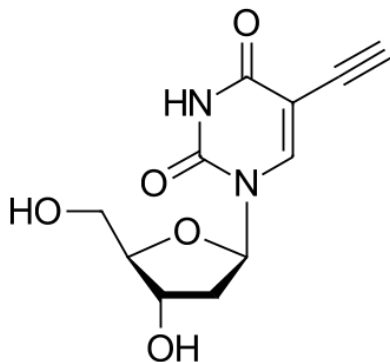


EdU (5-ethynyl-2'-deoxyuridine)

EdU (ethynyldeoxyuridine) is a nucleoside, an analog of thymidine, carrying an ethynyl group. This nucleoside behaves as a substrate for cellular DNA replication machinery. Then, DNA containing ethynyl groups can be developed by Click chemistry reaction with various [dye azides](#). Fluorescent DNA can be detected by microscopy, or cells can be sorted by 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: good in water

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.

TN VED Code: 3822000000