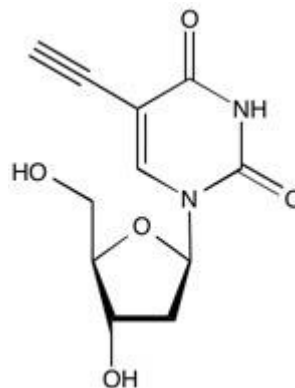


5-Ethynyl-2'-deoxyuridine (5-EdU), DNA Click labeling probe

Catalog	Unit
TBI2794 - 50MG	50 mg
TBI2794 - 250MG	250 mg

Product Details

Formal Name: 2'-Deoxy-5-ethynyluridine.
Alternate Name: 5-EdU.
Molecular Formula: C₁₁H₁₂N₂O₅.
Formula Weight: 252.23.
CAS Number: 61135-33-9
Purity: ≥98%
Formulation: Powder.
Solubility: Soluble in DMSO (up to 10 mg/ml).
Storage: -20°C.
Stability: ≥ 2 years.



Applications

Proliferation
Apoptosis inducer.
DNA repair

Functions

A novel agent for fast and sensitive detection of DNA synthesis in vivo. 5-EdU is incorporated into proliferating cells followed by detection with a fluorescent azide using click ligation. In contrast to the use of BrdU, the new method does not require sample fixation or DNA denaturation. May be used for studying cell proliferation in the central nervous system and may be combined with BrdU staining in a novel protocol allowing for double labeling of DNA synthesis.

Application Procedures

First dissolved in DMSO (up to 10 mg/ml), then diluted to aqueous buffer. Solutions in DMSO may be stored at -20°C for up to 2 months.

Relative Products

TBI1345	E64, Cysteine protease inhibitor
TBI1347	E64d, Cysteine protease inhibitor
TBI2614	ZVAD-FMK, Pan-caspase inhibitor
TBI2069	Cytochalasin B
TBI2071	Cytochalasin D
TBI1286	Bestatin, Aminopeptidase inhibitor
TBI1029	Dorsomorphin, AMPK inhibitor
TBI1368	Pepstatin, Aspartic protease inhibitor
TBI1060	Imatinib, Bromodomain inhibitor
TBI1584	JQ1+, Bromodomain inhibitor

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