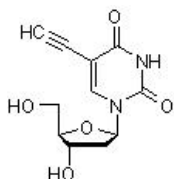


Product datasheet

EdU, DNA synthesis monitoring probe ab146186

Overview

Product name	EdU, DNA synthesis monitoring probe
Description	DNA synthesis monitoring probe
Biological description	Thymidine analog. Alternative to BrdU (5-Bromo-2'-deoxyuridine) (ab142567) for measuring <i>de novo</i> DNA synthesis during S-phase. Cytotoxic anti-metabolite. Used for probing short-term DNA synthesis in tissue culture and living organisms where prolonged cell survival is not required.
Purity	> 98%
CAS Number	61135-33-9
Chemical structure	



Properties

Molecular weight	252.22
Molecular formula	C ₁₁ H ₁₂ N ₂ O ₅
Storage instructions	Store at -20°C. Store under desiccating conditions. The product can be stored for up to 12 months.
Solubility overview	Soluble in DMSO (up to 10 mg/ml). Solutions in DMSO may be stored at -20°C for up to 2 months.
Handling	<p>Wherever possible, you should prepare and use solutions on the same day. However, if you need to make up stock solutions in advance, we recommend that you store the solution as aliquots in tightly sealed vials at -20°C. Generally, these will be useable for up to one month. Before use, and prior to opening the vial we recommend that you allow your product to equilibrate to room temperature for at least 1 hour.</p> <p>Need more advice on solubility, usage and handling? Please visit our frequently asked questions (FAQ) page for more details.</p>
SMILES	<chem>C#Cc1cn(c(=O)[nH]c1=O)[C@H]2C[C@@H]([C@H](O2)CO)O</chem>
Source	Synthetic

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