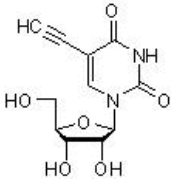


Product datasheet

5-Ethynyluridine (5-EU), Uridine analog ab146642

[3 References](#) [1 Image](#)

Overview

Product name	5-Ethynyluridine (5-EU), Uridine analog
Description	Uridine analog. Click chemistry RNA transcription label.
Biological description	Uridine (ab143255) analog. Click chemistry RNA transcription label. Incorporates into RNA during active RNA synthesis. Does not incorporate into DNA. Reacts with azide-containing detection reagents.
Purity	> 99%
CAS Number	69075-42-9
Chemical structure	

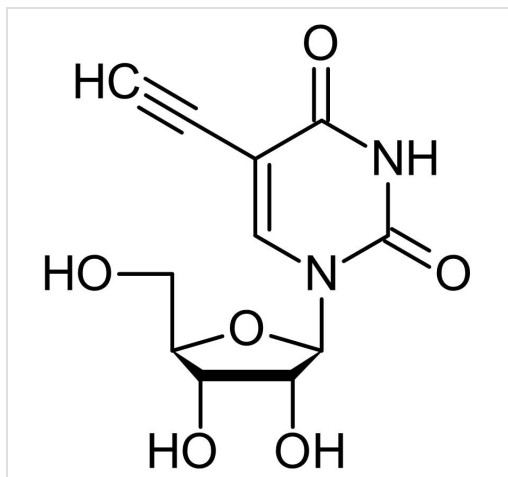
Properties

Chemical name	1-[(2 <i>R</i> ,3 <i>R</i> ,4 <i>S</i> ,5 <i>R</i>)-3,4-Dihydroxy-5-(hydroxymethyl)oxolan-2-yl]-5-ethynylpyrimidine-2,4-dione
Molecular weight	268.22
Molecular formula	C ₁₁ H ₁₂ N ₂ O ₆
PubChem identifier	14885960
Storage instructions	Store at -20°C. Store In the Dark. Store under desiccating conditions. This product is air and light sensitive and impurities can occur as a result of air oxidation or due to metabolism by microbes.
Solubility overview	Soluble in water to 100 mM
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#CC1=CN(C(=O)NC1=O)[C@H]2[C@@H]([C@@H]([C@H](O2)CO)O)O</chem>

Source

Synthetic

Images



Chemical Structure - 5-Ethynyluridine (5-EU),
Uridine analog (ab146642)

2D chemical structure image of ab146642, 5-Ethynyluridine (5-EU),
Uridine analog

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES, NOT FOR USE IN HUMANS"

Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.com/abpromise> or contact our technical team.

Terms and conditions

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors
- Abcam biochemicals are novel compounds and we have not tested their biological activity in house. Please use the literature to identify how to use these products effectively. If you require further assistance please contact the scientific support team