

Product datasheet

CldU (5-chloro-2'-deoxyuridine), Halogenated uridine derivative ab213715

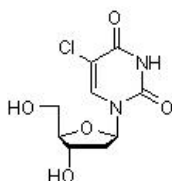
1 References

Overview

Product name	CldU (5-chloro-2'-deoxyuridine), Halogenated uridine derivative
Description	Halogenated uridine derivative
Biological description	Thymidine analogue, readily incorporated following phosphorylation, into newly synthesized DNA in place of thymidine. Used to study the miscoding potential of hypochlorous acid damage to DNA and DNA precursors.

CAS Number 50-90-8

Chemical structure



Properties

Chemical name	5-Chloro-2'-deoxyuridine
Molecular weight	262.65
Molecular formula	C ₉ H ₁₁ ClN ₂ O ₅
PubChem identifier	65510
Storage instructions	Store at -20°C.
Solubility overview	Soluble in water
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	C1[C@@H]([C@H](O[C@H]1N2C=C(C(=O)NC2=O)Cl)CO)O
Source	Synthetic

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