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Zuschläge

- Mindermengenzuschlag
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- Expressversand

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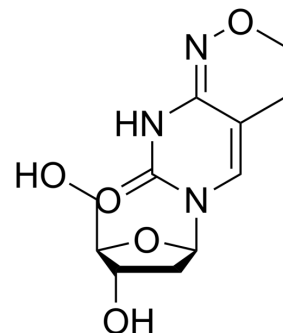
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Deoxyribosyl dihydropyrimido[4,5-c][1,2]oxazin-7-one

Cat. No.:	HY-154171
CAS No.:	126128-42-5
Molecular Formula:	C ₁₁ H ₁₅ N ₃ O ₅
Molecular Weight:	269.25
Target:	Nucleoside Antimetabolite/Analog
Pathway:	Cell Cycle/DNA Damage
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

Deoxyribosyl dihydropyrimido[4,5-c][1,2]oxazin-7-one (Compound dP) exhibits mutagenicity for *Escherichia coli* and *Salmonella typhimurium*, that induces the conversion between GC and AT through replication error. Deoxyribosyl dihydropyrimido[4,5-c][1,2]oxazin-7-one is stable in *Escherichia coli*, and can be detected at wavelength >300 nm^[1].

REFERENCES

[1]. Negishi K, et al., The mechanism of mutation induction by a hydrogen bond ambivalent, bicyclic N4-oxy-2'-deoxycytidine in *Escherichia coli*. *Nucleic Acids Res.* 1997 Apr 15;25(8):1548-52.

Caution: Product has not been fully validated for medical applications. For research use only.

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