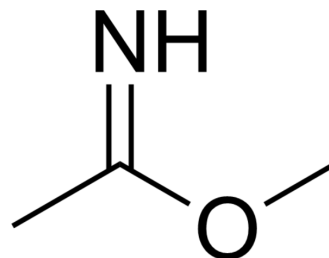


Methyl acetimidate

Cat. No.:	HY-165517
CAS No.:	14777-29-8
Molecular Formula:	C ₃ H ₇ NO
Molecular Weight:	73.09
Target:	Others
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

Methyl acetimidate is an imidoester that can inhibit the formation of sickle cells. Methyl acetimidate enhances the oxygen affinity and gelling properties of high molecular weight hemoglobin (HMW Hb) by modifying the amino groups of hemoglobin, thereby suppressing the formation of sickle cells. Methyl acetimidate can be used in research related to anemia [1].

REFERENCES

- [1]. Chao TL, et al. Inhibition of sickling by methyl acetimidate. FEBS Lett. 1976 Feb 1;62(1):57-9. doi: 10.1016/0014-5793(76)80015-4.
- [2]. Chao TL, et al. The effects of oxygen affinity and gelation of hemoglobin S crosslinked by reaction with methyl acetimidate. Hemoglobin. 1981;5(1):47-72.

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

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