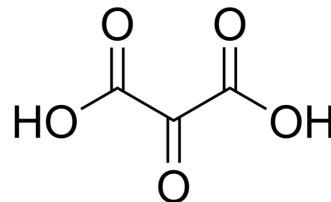


Mesoxalate

Cat. No.:	HY-114634
CAS No.:	473-90-5
Molecular Formula:	C ₃ H ₂ O ₅
Molecular Weight:	118.04
Target:	HIV
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Mesoxalate (Ketomalonic acid) a dicarboxylic acid and a ketonic acid which blocks HIV-1 reverse transcriptase (RT), with the IC ₅₀ of 2.2 μM ^{[1][2]} .
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REFERENCES

- [1]. Jean A Bernatchez, et al. Derivatives of mesoxalic acid block translocation of HIV-1 reverse transcriptase. J Biol Chem. 2015 Jan 16;290(3):1474-84.
- [2]. W R Davis, et al. Inhibition of HIV-1 reverse transcriptase-catalyzed DNA strand transfer reactions by 4-chlorophenylhydrazone of mesoxalic acid. Biochemistry. 2000 Nov 21;39(46):14279-91.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA