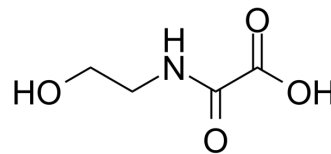


## N-(2-Hydroxyethyl)oxamic acid

Cat. No.:	HY-138094
CAS No.:	5270-73-5
Molecular Formula:	C <sub>4</sub> H <sub>7</sub> NO <sub>4</sub>
Molecular Weight:	133.1
Target:	Drug Metabolite
Pathway:	Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

#### Description

N-(2-hydroxyethyl)-oxamic acid is formed when Metronidazole is reduced either chemically or by the action of the intestinal bacteria. Metronidazole, a nitroimidazole antibiotic, has activity against various protozoans and most Gram-negative and Gram-positive anaerobic bacteria<sup>[1][2]</sup>.

### REFERENCES

- [1]. Koch RL, et al. The anaerobic metabolism of metronidazole forms N-(2-hydroxyethyl)-oxamic acid. *J Pharmacol Exp Ther.* 1979;208(3):406-410.
- [2]. Freeman CD, et al. Metronidazole. A therapeutic review and update. *Drugs.* 1997;54(5):679-708.

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

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