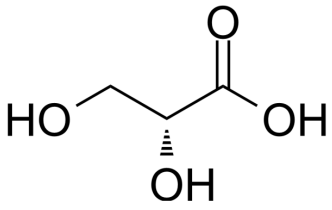
D-Glyceric acid

Cat. No.:	HY-139070
CAS No.:	6000-40-4
Molecular Formula:	$C_3H_6O_4$
Molecular Weight:	106.08
Target:	Endogenous Metabolite
Pathway:	Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	D-Glyceric acid is an endogenous metabolite present in Urine that can be used for the research of Primary hyperoxaluria Type I and Glutaric Acidemia Type 2[1][2][3].
In Vitro	Endogenous metabolites is defined as those that are annotated by Kyoto Encyclopedia of Genes and Genomes as substrates or products of the ~1900 metabolic enzymes encoded in our genome. It is clear in the body of literature that there are documented toxic properties for many of these metabolites[1]. MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Dietzen DJ, et al. Extraction of glyceric and glycolic acids from urine with tetrahydrofuran: utility in detection of primary hyperoxaluria. Clin Chem. 1997 Aug;43(8 Pt 1):1315-20.

[2]. Chlebeck PT, et al. Long-term prognosis in primary hyperoxaluria type II (L-glyceric aciduria). Am J Kidney Dis. 1994 Feb;23(2):255-9.

[3]. Lee N, et al. Endogenous toxic metabolites and implications in cancer therapy. Oncogene. 2020 Aug;39(35):5709-5720.

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