

Cytochrome P450

Cat. No.:	HY-132178
CAS No.:	9035-51-2
Target:	Endogenous Metabolite
Pathway:	Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.

Cytochrome P450

BIOLOGICAL ACTIVITY

Description

Cytochrome P450 is a family of monooxygenase enzymes that catalyzes the conversion of fatty acids to terminal alkenes using hydrogen peroxide as a cosubstrate. Cytochrome P450 as membrane-bound hemoproteins, plays important roles in the detoxification of drugs, cellular metabolism, and homeostasis^{[1][2]}.

REFERENCES

- [1]. Zhao M, et al. Cytochrome P450 Enzymes and Drug Metabolism in Humans. *Int J Mol Sci.* 2021 Nov 26;22(23):12808.
- [2]. Guengerich FP. Mechanisms of Cytochrome P450-Catalyzed Oxidations. *ACS Catal.* 2018 Dec 7;8(12):10964-10976.

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

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