

## Cytochrome C

Cat. No.:	HY-125857		
CAS No.:	9007-43-6		
Target:	Apoptosis; Reactive Oxygen Species; Biochemical Assay Reagents		
Pathway:	Apoptosis; Immunology/Inflammation; Metabolic Enzyme/Protease; NF-κB; Others		
Storage:	Powder	-20°C	3 years
	In solvent	-80°C	6 months
		-20°C	1 month

## Cytochrome C

### SOLVENT & SOLUBILITY

In Vitro	H <sub>2</sub> O : 50 mg/mL (Need ultrasonic)
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### BIOLOGICAL ACTIVITY

Description	Cytochrome C is a multi-functional enzyme involving in life and death decisions of the cell. Cytochrome C is essential in mitochondrial electron transport and intrinsic type II apoptosis <sup>[1]</sup> .
In Vitro	Mammalian Cytochrome C scavenges reactive oxygen species (ROS) under healthy conditions, produces ROS with the co-factor p66 <sup>Shc</sup> , and oxidizes cardiolipin during apoptosis <sup>[1]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

### REFERENCES

[1]. Hüttemann M, et al. The multiple functions of cytochrome c and their regulation in life and death decisions of the mammalian cell: From respiration to apoptosis. Mitochondrion. 2011 May;11(3):369-81.

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

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