

Bilirubin oxidase from Microorganism

Product Information

this enzyme are bilirubin and O2, whereas its two products are biliverdin and H20 enzyme belongs to the family of oxidoreductases, to be specific those acting on a CH group of donor with oxygen as acceptor. This enzyme participates in porphyrichlorophyll metabolism. Form Blue powder, lyophilized Enzyme EC 1.3.3.5 Commission Number Activity >20U/mg CAS No. 80619-01-8 Isoelectric point 5.2 pH Stability 7.5~10.5 (25°C, 18hr) Michaelis Constant 1.2×10^-4 M(Bilirubin, pH 8.0)		
Similar Bilirubin Oxidase Source Microorganism Description In enzymology, a bilirubin oxidase (EC 1.3.3.5) is an enzyme that catalyzes the chemical reaction:2 bilirubin + O2↔ 2 biliverdin + 2 H2O. Thus, the two substRation this enzyme are bilirubin and O2, whereas its two products are biliverdin and H2venzyme belongs to the family of oxidoreductases, to be specific those acting on the CH group of donor with oxygen as acceptor. This enzyme participates in porphyrichlorophyll metabolism. Form Blue powder, lyophilized Enzyme EC 1.3.3.5 Commission Number Activity >20U/mg CAS No. 80619-01-8 Isoelectric point 5.2 pH Stability 7.5~10.5 (25°C, 18hr) Michaelis Constant 1.2×10^-4 M(Bilirubin, pH 8.0) Unit Definition One unit will convert one micromole of bilirubin to biliverdin per min at pH 8.0 at 2.00 ptimum pH Optimum pH 7.5 Optimum temperature 37°C	Cat#	NATE-1713
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Optimum 37°C temperature	Unit Definition	One unit will convert one micromole of bilirubin to biliverdin per min at pH 8.0 at 25°C.
temperature	Optimum pH	7.5
Thermal stability < 50°C(pH 7.0, 30min)	•	37°C
	Thermal stability	< 50°C(pH 7.0, 30min)

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Bilirubin oxidase from Microorganism

Storage	Store at -20°C.
Inhibitors	NaN3, KCN
Synonyms	bilirubin oxidase M-1; bilirubin oxidase; EC 1.3.3.5; bilirubin: oxygen oxidoreductase

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