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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Oxalate decarboxylase, Microorganism

Cat. No.:	HY-E70518	
CAS No.:	9024-97-9	
Target:	Bacterial	
Pathway:	Anti-infection	Oxalate decarboxylase, Microorganism
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.	

BIOLOGICAL ACTIVITY

Description

Oxalate decarboxylase, Microorganism (EC 4.1.1.2), a stress-response enzyme in certain soil bacteria, is a Mn-dependent enzyme in the cupin superfamily and is found in fungi and soil bacteria. Oxalate decarboxylase catalyzes the decarboxylation of the oxalate mono-anion in the soil bacterium *Bacillus subtilis*. Enzymatic activity of OxDC is strongly pH dependent, with a maximum at around pH 4.0^[1].

REFERENCES

[1]. Pastore AJ, et al. Oxalate decarboxylase uses electron hole hopping for catalysis. *J Biol Chem*. 2021 Jul;297(1):100857.

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

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