Creative Enzymes®

D-arabinono-1,4-lactone oxidase

Cat. No. EXWM-0409

Lot. No. (See product label)

Introduction

Description	A flavoprotein (FAD). L-Galactono-1,4-lactone, L-gulono-1,4-lactone and L-xylono-1,4-lactone can also act as substrates but D-glucono-1,5-lactone, L-arabinono-1,4-lactone, D-galactono-1,4-lactone and D-gulono-1,4-lactone cannot. With L-galactono-1,4-lactone as substrate, the product is L-ascorbate. The product dehydro-D-arabinono-1,4-lactone had previously been referred to erroneously as D-erythroascorbate (CAS no.: 5776-48-7; formula: C6H8O6), although it was referred to as a five-carbon compound.
Synonyms	D-arabinono-γ-lactone oxidase; ALO

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 1.1.3.37
CAS No.	182372-12-9
Reaction	D-arabinono-1,4-lactone + O2 = dehydro-D-arabinono-1,4-lactone + H2O2
Notes	This item requires custom production and lead time is between 5-9 weeks. We can custom produce according to your specifications.

Storage and Shipping Information

Storage	Store it at +4 ℃ for short term. For long term storage, store it at -20 ℃~-80 ℃.