Creative Enzymes®

carbonyl reductase (NADPH)

Cat. No. EXWM-0086

Lot. No. (See product label)

Introduction

Description	Acts on a wide range of carbonyl compounds, including quinones, aromatic aldehydes, ketoaldehydes, daunorubicin and prostaglandins E and F, reducing them to the corresponding alcohol. Si-specific with respect to NADPH [cf. EC 1.1.1.2 alcohol dehydrogenase (NADP+)].
Synonyms	aldehyde reductase 1; prostaglandin 9-ketoreductase; xenobiotic ketone reductase; NADPH-dependent carbonyl reductase; ALR3; carbonyl reductase; nonspecific NADPH-dependent carbonyl reductase; carbonyl reductase (NADPH2)

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 1.1.1.184
CAS No.	89700-36-7
Reaction	R-CHOH-R' + NADP+ = R-CO-R' + NADPH + H+
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 ℃.