(+)-pulegone reductase

Cat. No. EXWM-1350

Lot. No. (See product label)

Introduction

Description	NADH cannot replace NADPH as reductant. The Δ8,9-double bond of (+)-cis-isopulegone and the Δ1,2-double bond of (±)-piperitone are not substrates. The enzyme from peppermint (Mentha x piperita) converts (+)-pulegone into both (-)-menthone and (+)-isomenthone at a ratio of 70:30 for native enzyme but it does not catalyse the reverse reaction. This enzyme is a member of the medium-chain dehydrogenase/reductase superfamily.

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 1.3.1.81
Reaction	(1) (-)-menthone + NADP+ = (+)-pulegone + NADPH + H+; (2) (+)-isomenthone + NADP+ = (+)-pulegone + 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 ℃.