

prostaglandin-E2 9-reductase

Cat. No. EXWM-0091

Lot. No. (See product label)

Introduction

Description

Reduces prostaglandin E2 to prostaglandin F2 α . A number of other 9-oxo- and 15-oxo-prostaglandin derivatives can also be reduced to the corresponding hydroxy compounds. May be identical with EC 1.1.1.197 15-hydroxyprostaglandin dehydrogenase (NADP+).

Synonyms

PGE2-9-OR; reductase, 15-hydroxy-9-oxoprostaglandin; 9-keto-prostaglandin E2 reductase; 9-ketoprostaglandin reductase; PGE-9-ketoreductase; PGE2 9-oxoreductase; PGE2-9-ketoreductase; prostaglandin 9-ketoreductase; prostaglandin E 9-ketoreductase; prostaglandin E2-9-oxoreductase

Product Information

Form

Liquid or lyophilized powder

EC Number

EC 1.1.1.189

CAS No.

42613-35-4

Reaction

(5Z,13E)-(15S)-9 α ,11 α ,15-trihydroxyprosta-5,13-dienoate + NADP+ = (5Z,13E)-(15S)-11 α ,15-dihydroxy-9-oxoprost-5,13-dienoate + 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 °C for short term. For long term storage, store it at -20 °C~-80 °C.