

prostaglandin-F synthase

Cat. No. EXWM-0090

Lot. No. (See product label)

Introduction

Description

Reduces prostaglandin D2 and prostaglandin H2 to prostaglandin F2; prostaglandin D2 is not an intermediate in the reduction of prostaglandin H2. Also catalyses the reduction of a number of carbonyl compounds, such as 9,10-phenanthroquinone and 4-nitroacetophenone.

Synonyms

prostaglandin-D2 11-reductase; reductase, 15-hydroxy-11-oxoprostaglandin; PGD2 11-ketoreductase; PGF2 α synthetase; prostaglandin 11-ketoreductase; prostaglandin D2-ketoreductase; prostaglandin F synthase; prostaglandin F synthetase; synthetase, prostaglandin F2 α ; PGF synthetase; NADPH-dependent prostaglandin D2 11-keto reductase; prostaglandin 11-keto reductase

Product Information

Form

Liquid or lyophilized powder

EC Number

EC 1.1.1.188

CAS No.

55976-95-9

Reaction

(5Z,13E)-(15S)-9 α ,11 α ,15-trihydroxyprosta-5,13-dienoate + NADP $^{+}$ = (5Z,13E)-(15S)-9 α ,15-dihydroxy-11-oxoprostano-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.