

calcidiol 1-monooxygenase

Cat. No. EXWM-0943

Lot. No. (See product label)

Introduction

Description A P-450 (heme-thiolate) enzyme found in mammals.

Synonyms 25-hydroxycholecalciferol 1-hydroxylase; 25-hydroxycholecalciferol 1-monooxygenase; 1-hydroxylase-25-hydroxyvitamin D3; 25-hydroxy D3-1 α -hydroxylase; 25-hydroxycholecalciferol 1 α -hydroxylase; 25-hydroxyvitamin D3 1 α -hydroxylase

Product Information

Form Liquid or lyophilized powder

EC Number EC 1.14.15.18

CAS No. 9081-36-1

Reaction (1) calcidiol + 2 reduced adrenodoxin + 2 H⁺ + O₂ = calcitriol + 2 oxidized adrenodoxin + H₂O; (2) secalciferol + 2 reduced adrenodoxin + 2 H⁺ + O₂ = calcitetrool + 2 oxidized adrenodoxin + H₂O

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.