Creative Enzymes®

1,8-cineole 2-exo-monooxygenase

Cat. No. EXWM-0757

Lot. No. (See product label)

Introduction

Description	A heme-thiolate protein (P-450). The mammalian enzyme, expressed in liver microsomes, performs a variety of oxidation reactions of structurally unrelated compounds, including steroids, fatty acids, and xenobiotics. cf. EC 1.14.13.97 (taurochenodeoxycholate 6-hydroxylase), EC 1.14.13.67 (quinine 3-monooxygenase) and EC 1.14.13.32 (albendazole monooxygenase).
Synonyms	CYP3A4

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 1.14.13.157
Reaction	1,8-cineole + NADPH + H+ + O2 = 2-exo-hydroxy-1,8-cineole + NADP+ + 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 ℃ for short term. For long term storage, store it at -20 ℃~-80 ℃.