Creative Enzymes®

phenylacetone monooxygenase

Cat. No. EXWM-0901

Lot. No. (See product label)

Introduction

Description A flavoprotein (FAD). NADH cannot replace NADPH as coenzyme. In addition to phenylacetone, which is the best substrate found to date, this Baeyer-Villiger monooxygenase can oxidize other aromatic ketones [1-(4-hydroxyphenyl)propan-2-one, 1-(4-hydroxyphenyl)propan-2-one and 3-phenylbutan-2-one], some alipatic ketones (e.g. dodecan-2-one) and sulfides (e.g. 1-methyl-4-(methylsulfanyl)benzene).

Synonyms PAMO

Product Information

Form Liquid or lyophilized powder

EC Number EC 1.14.13.92

CAS No. 1005768-90-0

Reaction phenylacetone + NADPH + H+ + O2 = benzyl acetate + 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 ℃.