

caffeine dehydrogenase

Cat. No. EXWM-1095

Lot. No. (See product label)

Introduction

Description

This enzyme, characterized from the soil bacterium *Pseudomonas* sp. CBB1, catalyses the incorporation of an oxygen atom originating from a water molecule into position C-8 of caffeine. The enzyme utilizes short-tail ubiquinones as the preferred electron acceptor.

Product Information

Form

Liquid or lyophilized powder

EC Number

EC 1.17.5.2

Reaction

caffeine + ubiquinone + H₂O = 1,3,7-trimethylurate + ubiquinol

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.