

tetrachloroethene reductive dehalogenase

Cat. No. EXWM-1694

Lot. No. (See product label)

Introduction

Description This enzyme allows the common pollutant tetrachloroethene to support bacterial growth and is responsible for disposal of a number of chlorinated hydrocarbons by this organism. The reaction occurs in the reverse direction. The enzyme also reduces trichloroethene to dichloroethene. Although the physiological reductant is unknown, the supply of reductant in some organisms is via reduced menaquinone, itself formed from molecular hydrogen, via EC 1.12.5.1 (hydrogen:quinone oxidoreductase). The enzyme contains a corrinoid and two iron-sulfur clusters. Methyl viologen can act as electron donor.

Synonyms tetrachloroethene reductase

Product Information

Form Liquid or lyophilized powder

EC Number EC 1.97.1.8

CAS No. 163913-51-7

Reaction trichloroethene + chloride + acceptor = tetrachloroethene + reduced acceptor

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.