

azobenzene reductase

Cat. No. EXWM-1613

Lot. No. (See product label)

Introduction

Description

The reaction occurs in the reverse direction to that shown above. Other azo dyes, such as Methyl Red, Rocceline, Solar Orange and Sumifix Black B can also be reduced.

Synonyms

new coccine (NC)-reductase; NC-reductase; azo-dye reductase; orange II azoreductase; NAD(P)H:1-(4'-sulfophenylazo)-2-naphthol oxidoreductase; orange I azoreductase; azo reductase; azoreductase; nicotinamide adenine dinucleotide (phosphate) azoreductase; NADPH2-dependent azoreductase; dimethylaminobenzene reductase; p-dimethylaminoazobenzene azoreductase; dibromopropylaminophenylazobenzoic azoreductase; N,N-dimethyl-4-phenylazoaniline azoreductase; p-aminoazobenzene reductase; methyl red azoreductase; NADPH2:4-(dimethylamino)azobenzene oxidoreductase

Product Information

Form

Liquid or lyophilized powder

EC Number

EC 1.7.1.6

CAS No.

9029-31-6

Reaction

$\text{N,N-dimethyl-1,4-phenylenediamine} + \text{aniline} + 2\text{NADP}^+ = 4\text{-(dimethylamino)azobenzene} + 2\text{NADPH} + 2\text{H}^+$

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.