

N-methylhydantoinase (ATP-hydrolysing)

Cat. No. EXWM-4497

Lot. No. (See product label)

Introduction

Description This enzyme belongs to the family of hydrolases, those acting on carbon-nitrogen bonds other than peptide bonds, specifically in cyclic amides. This enzyme participates in arginine, creatinine, and proline metabolism.

Synonyms N-methylhydantoin amidohydrolase; methylhydantoin amidase; N-methylhydantoin hydrolase; N-methylhydantoinase; N-methylimidazolidine-2,4-dione amidohydrolase (ATP-hydrolysing)

Product Information

Form Liquid or lyophilized powder

EC Number EC 3.5.2.14

CAS No. 100785-00-0

Reaction $\text{ATP} + \text{N-methylhydantoin} + 2 \text{H}_2\text{O} = \text{ADP} + \text{phosphate} + \text{N-carbamoylsarcosine}$

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.