

8-oxo-dGTP diphosphatase

Cat. No. EXWM-4627

Lot. No. (See product label)

Introduction

Description

This enzyme hydrolyses the phosphoanhydride bond between the α and β phosphate of 8-oxoguanine-containing nucleoside di- and triphosphates thereby preventing misincorporation of the oxidized purine nucleoside triphosphates into DNA. It does not hydrolyse 2-hydroxy-dATP (cf. EC 3.6.1.56, 2-hydroxy-dATP diphosphatase). Requires Mg^{2+} .

Synonyms

MutT; 7,8-dihydro-8-oxoguanine triphosphatase; 8-oxo-dGTPase; 7,8-dihydro-8-oxo-dGTP pyrophosphohydrolase

Product Information

Form

Liquid or lyophilized powder

EC Number

EC 3.6.1.55

Reaction

8-oxo-dGTP + H₂O = 8-oxo-dGMP + diphosphate

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.