Creative Enzymes®

GTP cyclohydrolase I

Cat. No. EXWM-4542

Lot. No. (See product label)

Introduction

Description	The reaction involves hydrolysis of two C-N bonds and isomerization of the pentose unit; the recyclization may be non-enzymic. This enzyme is involved in the de novo synthesis of tetrahydrobiopterin from GTP, with the other enzymes involved being EC 1.1.1.153 (sepiapterin reductase) and EC 4.2.3.12 (6-pyruvoyltetrahydropterin synthase).
Synonyms	GTP cyclohydrolase; guanosine triphosphate cyclohydrolase; guanosine triphosphate 8-deformylase; dihydroneopterin triphosphate synthase; GTP 8-formylhydrolase

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 3.5.4.16
CAS No.	37289-19-3
Reaction	GTP + H2O = formate + 7,8-dihydroneopterin 3'-triphosphate
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 ℃ for short term. For long term storage, store it at -20 ℃~-80 ℃.