

hydrogenobyrrinic acid a,c-diamide synthase (glutamine-hydrolysing)

Cat. No. EXWM-5811

Lot. No. (See product label)

Introduction

Description	This step in the aerobic biosynthesis of cobalamin generates hydrogenobyrrinic acid a,c-diamide, the substrate required by EC 6.6.1.2, cobaltochelataase, which adds cobalt to the macrocycle.
Synonyms	CobB

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 6.3.5.9
CAS No.	132053-22-6
Reaction	$2 \text{ ATP} + \text{hydrogenobyrrinic acid} + 2 \text{ L-glutamine} + 2 \text{ H}_2\text{O} = 2 \text{ ADP} + 2 \text{ phosphate} + \text{hydrogenobyrrinic acid a,c-diamide} + 2 \text{ L-glutamate}$
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.
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