Creative Enzymes®

rhodopsin kinase

Cat. No. EXWM-3133

Lot. No. (See product label)

Introduction

Description	Requires G-protein for activation and therefore belongs to the family of G-protein-dependent receptor kinases (GRKs). Acts on the bleached or activated form of rhodopsin; also phosphorylates the β-adrenergic receptor, but more slowly. Does not act on casein, histones or phosphvitin. Inhibited by Zn2+ and digitonin (cf. EC 2.7.11.15, β-adrenergic-receptor kinase and EC 2.7.11.16, G-protein-coupled receptor kinase).
Synonyms	cone opsin kinase; G-protein-coupled receptor kinase 1; GPCR kinase 1; GRK1; GRK7; opsin kinase; opsin kinase (phosphorylating); rhodopsin kinase (phosphorylating); RK; STK14

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 2.7.11.14
CAS No.	54004-64-7
Reaction	ATP + rhodopsin = ADP + phosphorhodopsin
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 ℃.