Creative Enzymes®

# 5'-O-Tritylinosine

*Cat. No. CEI-1600*

*Lot. No.* (See product label)

## Introduction

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| ***Description*** | KIN-59 is a purine riboside derivative that allosterically inhibits thymidine phosphorylase (TPase; IC50s = 44 and 67 μM for purified E. coli and human enzymes, respectively). |
| ***Synonyms*** | KIN-59 |

## Product Information

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| ***Form*** | A crystalline solid |
| ***CAS No.*** | 4152-77-6 |
| ***Molecular Formula*** | C29H26N4O5 |
| ***Chemical Name*** | 5'-O-(triphenylmethyl)-inosine |
| ***Molecular Weight*** | 510.5 |
| ***Purity*** | >98% |
| ***Solubility*** | KIN-59 is soluble in organic solvents such as ethanol, DMSO, and dimethyl formamide, which should be purged with an inert gas. The solubility of KIN-59 in these solvents is approximately 0.3, 16, and 5 mg/ml, respectively. |

## Storage and Shipping Information

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| ***Storage*** | at -20°C 2 years |