Creative Enzymes®

# Genistein

*Cat. No. CEI-0900*

*Lot. No.* (See product label)

## Introduction

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| ***Description*** | Genistein, a phytoestrogen found in soy products, is a highly specific inhibitor of protein tyrosine kinase (PTK) which blocks the mitogenic effect mediated by EGF on NIH-3T3 cells with IC50 of 12μM or by insulin with IC50 of 19 μM. |

## Product Information

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| ***CAS No.*** | 446-72-0 |
| ***Molecular Formula*** | C15H10O5 |
| ***Chemical Name*** | 5,7-dihydroxy-3-(4-hydroxyphenyl)-4H-chromen-4-one |
| ***Molecular Weight*** | 270.24 |
| ***Targets*** | PTK |
| ***Solubility*** | DMSO 54 mg/mL; Water <1 mg/mL; Ethanol 2 mg/mL |

## Storage and Shipping Information

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| ***Storage*** | 2 years -20 centigrade Powder; 2 weeks 4 centigrade in DMSO; 6 months -80 centigrade in DMSO. |