

## Genistein

Cat. No. CEI-0900

Lot. No. (See product label)

### Introduction

**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 IC<sub>50</sub> of 12 μM or by insulin with IC<sub>50</sub> of 19 μM.

### Product Information

**CAS No.** 446-72-0

**Molecular Formula** C<sub>15</sub>H<sub>10</sub>O<sub>5</sub>

**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

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