

# Specification



## Genistein BioChemica

**A2202**

|                      |  |
|----------------------|--|
| <b>Synonym</b>       | 4',5,7-Trihydroxyisoflavone                          |
| <b>Formula</b>       | C <sub>15</sub> H <sub>10</sub> O <sub>5</sub>       |
| <b>M</b>             | 270.23 g/mol   |
| <b>CAS-No.:</b>      | 446-72-0   |
| <b>HS-No.:</b>       | 29329900   |
| <b>EC-No.:</b>       | 207-174-9  |
| <b>Storage:</b>      | -20°C  |
| <b>LGK:</b>          | 10 - 13  |
| <b>S:</b>            | 22-24/25   |
| <b>Specification</b> |  |
| <b>Assay (HPLC)</b>  | min. 98 %  |
| <b>Solubility</b>    | clear, colorless (1 %, CHCl <sub>3</sub> : MeOH 1:1) |

### Literature

- (1) Ogawara, H. *et al.* (1986) *J. Antibiotics* **39**, 606-608 Genistein: A specific tyrosine protein kinase inhibitor from *Pseudomonas*.
- (2) Akiyama, T. *et al.* (1987) *J. Biol. Chem.* **262**, 5592-5595 Genistein: A specific inhibitor of tyrosine-specific protein kinases.
- (3) Okura, A. *et al.* (1988) *Biochem. Biophys. Res. Com.* **157**, 183-189 Genistein inhibits the topoisomerase activity and the growth of Ha-ras transformed cells.
- (4) Markovits, J. *et al.* (1989) *Cancer Res.* **49**, 5111-5117 Genistein inhibits topoisomerase II activity in mammalian cells.
- (5) Abler, A. *et al.* (1992) *J. Biol. Chem.* **267**, 3946-3951 Genistein inhibits the post receptor effects of insulin without inhibiting the insulin receptor kinase.