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# **DATASHEET**

Ellagic Acid, Dihydrate

### **Product overview**

Name Ellagic Acid, Dihydrate

Cat No HB0275 **Biological action** Inhibitor >98% **Purity** 

Description Potent CK2 inhibitor

## **Biological Data**

**Biological description** Potent Casein kinase 2 (CK2) inhibitor (IC $_{50}$  = 20 nM). Also a FGR, GSK, and PKA inhibitor (IC $_{50}$  = 3.5

 $\mu M$ ). Inhibits DNA Topoisomerase I and II (Topo I and II) (IC $_{50}$  values are 3.0 and 3.6  $\mu g/ml$ respectively). Inhibits cAK and PKC (IC<sub>50</sub> values are 2 and 8 μM respectively). Shows anticancer

## **Solubility & Handling**

Solubility overview Soluble in 1M NaOH (10mg/ml)

Storage instructions Room temperature

Storage of solutions Prepare and use solutions on the same day if possible. Store solutions at -20 °C for up to one month if

storage is required. Equilibrate to RT and ensure the solution is precipitate free before use.

**Shipping Conditions** Stable for ambient temperature shipping. Follow storage instructions on receipt.

**Important** This product is for RESEARCH USE ONLY and is not intended for therapeutic or diagnostic use. Not

for human or veterinary use.

#### **Chemical Data**

Chemical structure

Chemical name 2,3,7,8-Tetrahydroxy-[1]benzopyrano [5,4,3-cde][1]benzopyran-5,10-dione **Molecular Weight** 302.19

Molecular Formula C<sub>14</sub>H<sub>6</sub>O<sub>8</sub> 476-66-4 **CAS Number PubChem identifier** 16760409

**SMILES** C1=C2C3=C(C(=C1O)O)OC(=O)C4=CC(=C(C(=C43)OC2=O)O)O.O.OInChiKey AFSDNFLWKVMVRB-UHFFFAOYSA-N

**MDL** number MFCD00006914