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DATASHEET

Ellagic Acid, Dihydrate

Product overview

Name	Ellagic Acid, Dihydrate
Cat No	HB0275
Biological action	Inhibitor
Purity	>98%
Description	Potent CK2 inhibitor

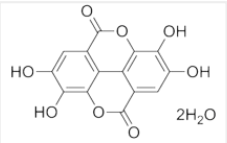
Biological Data

Biological description	Potent Casein kinase 2 (CK2) inhibitor (IC_{50} = 20 nM). Also a FGR, GSK, and PKA inhibitor (IC_{50} = 3.5 µM). Inhibits DNA Topoisomerase I and II (Topo I and II) (IC_{50} values are 3.0 and 3.6 µg/ml respectively). Inhibits cAK and PKC (IC_{50} values are 2 and 8 µM respectively). Shows anticancer effects.

Solubility & Handling

Storage instructions	Room temperature
Solubility overview	Soluble in 1M NaOH (10mg/ml)
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 name	2,3,7,8-Tetrahydroxy-[1]benzopyrano [5,4,3-cde][1]benzopyran-5,10-dione
Molecular Weight	302.19
Chemical structure	
Molecular Formula	$C_{14}H_6O_8$
CAS Number	476-66-4
PubChem identifier	16760409
SMILES	C1=C2C3=C(C(=C1O)O)OC(=O)C4=CC(=C(C(=C43)OC2=O)O)O.O.O
InChiKey	AFSDNFLWKVMVRB-UHFFFAOYSA-N
MDL number	MFCD00006914