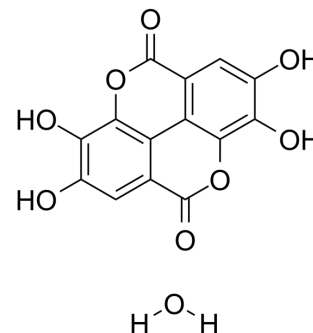


Ellagic acid (hydrate)

Cat. No.:	HY-B0183A
CAS No.:	314041-08-2
Molecular Formula:	C ₁₄ H ₈ O ₉
Molecular Weight:	320.21
Target:	Casein Kinase
Pathway:	Cell Cycle/DNA Damage; Stem Cell/Wnt
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Ellagic acid hydrate is a natural antioxidant, and acts as a potent and ATP-competitive CK2 inhibitor, with an IC ₅₀ of 40 nM and a K _i of 20 nM ^[1] .	
IC₅₀ & Target	CK2 20 nM (K _i)	CK2 40 nM (IC ₅₀)

CUSTOMER VALIDATION

- Biochem Biophys Res Commun. 2018 Sep 3;503(1):297-303.
- Biosci Rep. 2020 Oct 30;40(10):BSR20201349.
- Virology. 2021 May 22.
- Patent. US20200368248A1.
- Harvard Medical School LINCS LIBRARY

See more customer validations on www.MedChemExpress.com

REFERENCES

[1]. Cozza G, et al. Identification of ellagic acid as potent inhibitor of protein kinase CK2: a successful example of a virtual screening application. J Med Chem. 2006 Apr 20;49(8):2363-6.

Caution: Product has not been fully validated for medical applications. For research use only.

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