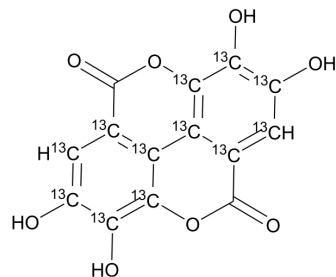


## Ellagic acid-<sup>13</sup>C<sub>12</sub>

Cat. No.:	HY-B0183S
Molecular Formula:	C <sub>2</sub> <sup>13</sup> C <sub>12</sub> H <sub>6</sub> O <sub>8</sub>
Molecular Weight:	314.1
Target:	Isotope-Labeled Compounds
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

#### Description

Ellagic acid-<sup>13</sup>C<sub>12</sub> is <sup>13</sup>C-labeled Ellagic acid (HY-B0183). Ellagic acid is a natural antioxidant and acts as a potent and ATP-competitive inhibitor of CK2 and SHP2, with an IC<sub>50</sub> of 40 nM and a K<sub>i</sub> of 20 nM<sup>[1][2]</sup>.

### REFERENCES

[1]. [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.

[2]. Ma CH, et al. Discovery of ellagic acid as a competitive inhibitor of Src homology phosphotyrosyl phosphatase 2 (SHP2) for cancer treatment: In vitro and in silico study. Int J Biol Macromol. 2024 Jan;254(Pt 2):127845.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA