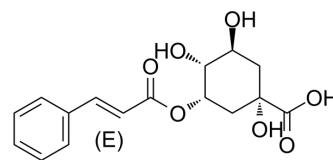


## (E)-5-O-Cinnamoylquinic acid

Cat. No.:	HY-N8224A
CAS No.:	6470-68-4
Molecular Formula:	C <sub>16</sub> H <sub>18</sub> O <sub>7</sub>
Molecular Weight:	322.31
Target:	Others
Pathway:	Others
Storage:	-20°C, sealed storage, away from moisture and light * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture and light)



### BIOLOGICAL ACTIVITY

#### Description

(E)-5-O-Cinnamoylquinic acid is the isomer of 5-O-Cinnamoylquinic acid. 5-O-Cinnamoylquinic acid is a co-pigment. 5-O-Cinnamoylquinic acid could form the stable blue solution to clarify the mechanism of blue sepal-color development of hydrangea<sup>[1][2]</sup>.

### REFERENCES

- [1]. Kondo T, et, al. Essential structure of co-pigment for blue sepal-color development of hydrangea. Tetrahedron Letters. 2005 Sep 26; 46(39): 6645-6649.
- [2]. Hanson KR. Chlorogenic acid biosynthesis. Chemical synthesis and properties of the mono-O-cinnamoylquinic acids. Biochemistry. 1965 Dec;4(12):2719-31.

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

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