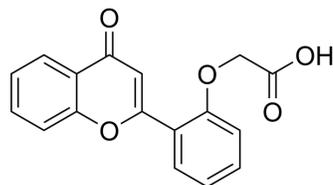


## CYP2A6-IN-1

Cat. No.:	HY-155456
Molecular Formula:	C <sub>17</sub> H <sub>12</sub> O <sub>5</sub>
Molecular Weight:	296.27
Target:	Cytochrome P450
Pathway:	Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

Description	CD-6 is a flavonoid CYP2A6 inhibitor (IC <sub>50</sub> : 1.566 μM). CYP2A6 inhibits the metabolism of nicotine to cotinine, resulting in an increase in the amount of nicotine available in the blood, leading to increased smoking behavior. CD-6 mediates CYP2A6 inhibition and can be used in research on smoking cessation or smoking-related diseases <sup>[1]</sup> .
IC <sub>50</sub> & Target	IC <sub>50</sub> : 1.566 μM (CYP2A6) <sup>[1]</sup>

### REFERENCES

[1]. Goyal N et al. Design, Synthesis, and Biological Studies of Flavone-Based Esters and Acids as Potential P450 2A6 Inhibitors. Chem Res Toxicol. 2023 Nov 14.

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

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