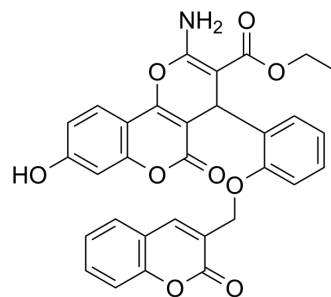


## hCAII-IN-4

Cat. No.:	HY-150973
CAS No.:	2816080-18-7
Molecular Formula:	C <sub>31</sub> H <sub>23</sub> NO <sub>9</sub>
Molecular Weight:	553.52
Target:	Carbonic Anhydrase
Pathway:	Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

<b>Description</b>	hCAII-IN-4 (Compound 12j) is a potent hCA II inhibitor with an IC <sub>50</sub> of 7.78 μM. hCAII-IN-4 also inhibits β-glucuronidase with an IC <sub>50</sub> of 773.9 μM <sup>[1]</sup> .	
<b>IC<sub>50</sub> &amp; Target</b>	hCA II 7.78 μM (IC <sub>50</sub> )	β-glucuronidase 773.9 μM (IC <sub>50</sub> )
<b>In Vitro</b>	The high-rank inhibitory potential of hCAII-IN-4 (Compound 12j) is attributed to the presence of the electron-donating OH group at C-7 of the coumarin motif <sup>[1]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only.	

### REFERENCES

[1]. Arif N, et al. Synthesis, Biological Evaluation, and In Silico Studies of Novel Coumarin-Based 4 H, 5 H-pyrano [3, 2-c] chromenes as Potent β-Glucuronidase and Carbonic Anhydrase Inhibitors. ACS Omega, 2022.

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

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