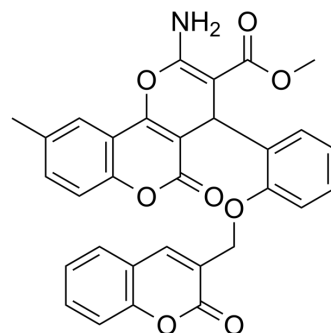


β-Glucuronidase/hCAII-IN-2

Cat. No.:	HY-150977
CAS No.:	2816080-13-2
Molecular Formula:	C ₃₁ H ₂₃ NO ₈
Molecular Weight:	537.52
Target:	Carbonic Anhydrase
Pathway:	Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	β-Glucuronidase/hCAII-IN-2 (Compound 12e) is a potent β-glucuronidase and hCA II inhibitor with an IC ₅₀ of 670.7 μM and 21.77 μM, respectively ^[1] .	
IC₅₀ & Target	hCA II 21.77 μM (IC ₅₀)	β-glucuronidase 670.7 μM (IC ₅₀)
In Vitro	The presence of the COOCH ₃ group on the pyran ring of β-Glucuronidase/hCAII-IN-2 (Compound 12e) may be responsible for this high-rank inhibitory potential against β-glucuronidase ^[1] . 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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