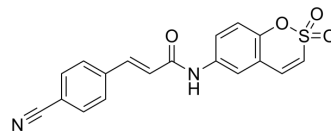


hCAIX-IN-6

Cat. No.:	HY-147663
CAS No.:	2451479-86-8
Molecular Formula:	C ₁₈ H ₁₂ N ₂ O ₄ S
Molecular Weight:	352.36
Target:	Carbonic Anhydrase
Pathway:	Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Compounds 6b and 14g showed significant inhibitory effect on tumor related subtype HCA IX with low nanomolar potency, while 6k was effective on HCA XII. Compounds 6b, 14g and 6k can be considered as the leading molecules for the development of future cancer therapeutic drugs based on new mechanisms of action.
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IC₅₀ & Target	CA XII
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REFERENCES

[1]. Swain B, et al. New coumarin/sulfocoumarin linked phenylacrylamides as selective transmembrane carbonic anhydrase inhibitors: Synthesis and in-vitro biological evaluation. *Bioorg Med Chem*. 2020 Aug 1;28(15):115586.

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

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