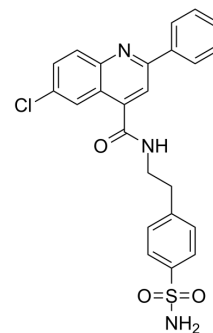


Carbonic anhydrase inhibitor 5

Cat. No.:	HY-144639
Molecular Formula:	C ₂₄ H ₂₀ ClN ₃ O ₃ S
Molecular Weight:	465.95
Target:	Carbonic Anhydrase
Pathway:	Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Carbonic anhydrase inhibitor 5 is a potent and selective human carbonic anhydrase (hCA) inhibitor with IC ₅₀ s of 42.9, 47.6 and 6.7 nM for hCA II, hCA IX and hCA XII, respectively ^[1] .
IC₅₀ & Target	IC ₅₀ : 42.9 nM (hCA II), 47.6 nM (hCA IX), 6.7 nM (hCA XII) ^[1]

REFERENCES

[1]. Swain B, et al. Exploration of 2-phenylquinoline-4-carboxamide linked benzene sulfonamide derivatives as isoform selective inhibitors of transmembrane human carbonic anhydrases. *Eur J Med Chem.* 2022;234:114247.

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

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