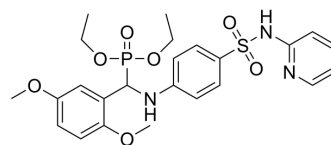


hCAXII-IN-9

| | |
|--------------------|---|
| Cat. No.: | HY-161322 |
| Molecular Formula: | C ₂₄ H ₃₀ N ₃ O ₇ PS |
| Molecular Weight: | 535.55 |
| Target: | Carbonic Anhydrase |
| Pathway: | Metabolic Enzyme/Protease |
| Storage: | Please store the product under the recommended conditions in the Certificate of Analysis. |



BIOLOGICAL ACTIVITY

| | | | | |
|---------------------------|--|-------------------------|-------------------------|---------------------------|
| Description | hCAXII-IN-9 (Compound 3I) is a selective inhibitor of hCAXII with K _i values of 28 nM, 7192.6 nM, 188.6 nM, and >100000 nM for hCAXII, hCAI, hCAII, and hCAIX, respectively. hCAXII-IN-9 can be utilized in antitumor research ^[1] . | | | |
| IC ₅₀ & Target | hCA XII 28 nM (Ki) | hCA I 7192.6 nM (Ki) | hCA II 188.6 nM (Ki) | hCA IX >100000 nM (Ki) |

REFERENCES

[1]. Bekheit MS, et al. Novel sulfonamide-phosphonate conjugates as carbonic anhydrase isozymes inhibitors. Drug Dev Res. 2024 Feb;85(1):e22135. doi: 10.1002/ddr.22135. Epub 2023 Nov 23. PMID: 37997034.

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

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