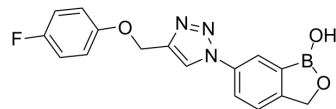


hCAIX/VII-IN-1

| | |
|--------------------|---|
| Cat. No.: | HY-149329 |
| CAS No.: | 2990559-21-0 |
| Molecular Formula: | C ₁₆ H ₁₃ BFN ₃ O ₃ |
| Molecular Weight: | 325.1 |
| Target: | Carbonic Anhydrase |
| Pathway: | Metabolic Enzyme/Protease |
| Storage: | Please store the product under the recommended conditions in the Certificate of Analysis. |



BIOLOGICAL ACTIVITY

| | |
|---------------------------|--|
| Description | hCAIX/VII-IN-1 is a selective hCA VII/IX inhibitor. hCAIX/VII-IN-1 inhibit hCA α , hCA β , hCA γ , hCA δ and hCA ξ with K _i values of 336.2 nM, 185.8 nM, 1055 nM, 35.6 nM and 28.0 nM, respectively. hCAIX/VII-IN-1 can be used for the research of cancer and neurological diseases ^[1] . |
| IC ₅₀ & Target | Ki: hCA α (336.2 nM), hCA β (185.8 nM), hCA γ (1055 nM), hCA δ (35.6 nM), hCA ξ (28.0 nM) ^[1] . |

REFERENCES

[1]. Nocentini A, et al. 6-Substituted Triazolyl Benzoxaboroles as Selective Carbonic Anhydrase Inhibitors: In Silico Design, Synthesis, and X-ray Crystallography. J Med Chem. 2023 Jun 22;66(12):8118-8129.

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

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