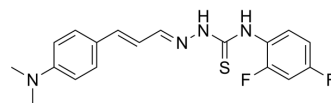


CAII-IN-3

Cat. No.:	HY-151495
Molecular Formula:	C ₁₈ H ₁₈ F ₂ N ₄ S
Molecular Weight:	360.42
Target:	Carbonic Anhydrase
Pathway:	Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	CAII-IN-3 (compound 3h), a thiosemicarbazones derivatives, is a potent carbonic anhydrase-II (CA-II) inhibitor with an IC ₅₀ value of 13.4 μM ^[1] .
IC ₅₀ & Target	bovine CA-II 13.4 μM (IC ₅₀)

REFERENCES

[1]. Rasool A, et al. Bis-pharmacophore of cinnamaldehyde-clubbed thiosemicarbazones as potent carbonic anhydrase-II inhibitors. Sci Rep. 2022 Sep 27;12(1):16095.

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

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