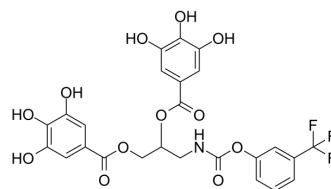


CDE-096

Cat. No.:	HY-120516
CAS No.:	1228357-04-7
Molecular Formula:	C ₂₅ H ₂₀ F ₃ NO ₁₂
Molecular Weight:	583.42
Target:	PAI-1
Pathway:	Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	CDE-096 is a potent inhibitor of PAI-1. CDE-096 prevents PAI-1 from inactivating tPA and uPA with similar potency (IC ₅₀ =30 and 25 nM, respectively) and is active against glycosylated PAI-1, as well as PAI-1 derived from several species (IC ₅₀ =19, 22 and 18 nM for murine, rat, and Porcine PAI-1, respectively) ^[1] .
In Vitro	CDE-096 is active against both free PAI-1 and vitronectin-bound PAI-1. CDE-096 binds to PAI-1 with nanomolar affinity and induces conformational changes that prevent binding to both proteases and vitronectin ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Li SH, et al. Mechanistic characterization and crystal structure of a small molecule inactivator bound to plasminogen activator inhibitor-1. Proc Natl Acad Sci U S A. 2013;110(51):E4941-E4949.

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

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