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## Product Data Sheet

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Product Name: CDE-096  
Cat. No.: GC68013

### Chemical Properties

Cas. No. 1228357-04-7

Formula  $C_{25}H_{20}F_3NO_{12}$  M.Wt 583.42

Solubility DMSO : 100 mg/mL (171.40 mM; Need ultrasonic) Storage Store at -20°C

General tips For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure

### Background

CDE-096 is a potent inhibitor of **PAI-1**. CDE-096 prevents PAI-1 from inactivating tPA and uPA with similar potency (**IC<sub>50</sub>**=30 and 25 nM, respectively) and is active against glycosylated PAI-1, as well as PAI-1 derived from several species (IC<sub>50</sub>=19, 22 and 18 nM for murine, rat, and Porcine PAI-1, respectively)<sup>[1]</sup>.

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<sup>[1]</sup>.

[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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