

Product Data Sheet

Product Name: UH15-38 TFA

Cat. No.: GC78942

Chemical Properties

Cas. No.

Formula $C_{28}H_{28}F_3N_5O_4$

M.Wt 555.55

Solubility

Storage Store at -20°C, sealed storage, away from moisture and light

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

UH15-38 TFA is a potent RIPK3 inhibitor with an IC_{50} value of 20 nM. UH15-38 TFA blocks IAV (influenza A virus)-activated necroptosis. UH15-38 TFA dampens IAV-induced lung injury [1].

In Vivo, UH15-38 (30 mg/kg; i.p.; daily for 4 days) TFA inhibits IAV (Influenza A virus)-induced lung injury in mice [1].

In Vitro, UH15-38 (0-1000 nM; 12 h) TFA decreases the expression of pMLKL induced by TCZ in a

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dose-dependent manner^[1]. UH15-38 (0-1000 nM) TFA protects type I alveolar epithelial cells from canonical TNF-induced necroptosis and prevents IAV-induced necroptosis^[1].

References:

[1]. Gautam A, et al. Necroptosis blockade prevents lung injury in severe influenza. Nature. 2024 Apr;628(8009):835-843.

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