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

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.