

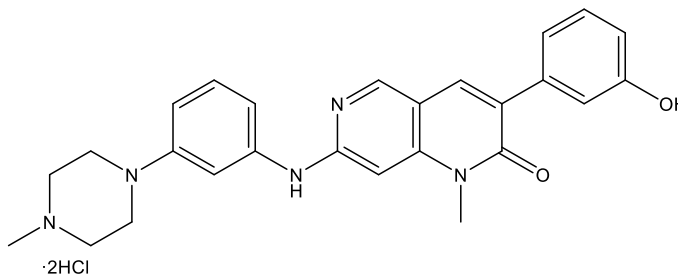
Catalog #10-4862

UH15-38·2HCl

CAS# 2540881-21-6 (free base)

3-(3-Hydroxyphenyl)-1-methyl-7-[3-(4-methylpiperazin-1-yl)anilino]-1,6-naphthyridin-2-one dihydrochloride

Lot # FBA9212



UH15-38 is a potent ($IC_{50} = 20$ nM) inhibitor of RIPK3 with excellent cellular activity. It blocked TNF-induced necroptosis in primary mouse embryonic fibroblasts ($IC_{50} = 98$ nM). UH15-38 selectively blocked influenza A-induced necroptosis over apoptosis in mouse alveolar epithelial cells, mouse embryonic fibroblasts, and human M29 cells at nanomolar levels. It attenuated influenza A-induced lung injury and lethality *in vivo*.

- 1) Gautam *et al.* (2024), *Necroptosis blockade prevents lung injury in severe influenza*; Nature **628** 835

PHYSICAL DATA

Molecular Weight:	514.45
Molecular Formula:	$C_{26}H_{27}N_5O_2 \cdot 2HCl$
Purity:	>98% (HPLC)
	NMR: (Conforms)
Solubility:	DMSO (5 mg/mL) and water (>20 mg/mL)
Physical Description:	Yellow solid
Storage and Stability:	Store as supplied at $-20^{\circ}C$ for up to 2 years from the date of purchase. Solutions in DMSO or distilled water may be stored at $-20^{\circ}C$ for up to 3 months.

Materials provided by Focus Biomolecules are for laboratory research use only and are not intended for human or veterinary applications.

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