# **Product** Data Sheet

### RDN2150 TFA

Cat. No.: HY-155978A Molecular Formula:  $C_{30}H_{30}ClF_3N_8O_6$ 

Molecular Weight: 691.06 Target: Others Pathway: Others

Storage: -20°C, sealed storage, away from moisture

\* In solvent: -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)

#### **SOLVENT & SOLUBILITY**

In Vitro

DMSO: 125 mg/mL (180.88 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent Mass Concentration	1 mg	5 mg	10 mg
	1 mM	1.4471 mL	7.2353 mL	14.4705 mL
	5 mM	0.2894 mL	1.4471 mL	2.8941 mL
	10 mM	0.1447 mL	0.7235 mL	1.4471 mL

Please refer to the solubility information to select the appropriate solvent.

## **BIOLOGICAL ACTIVITY**

Description RDN2150 (Compound 25) TFA is a ZAP-70 inhibitor (IC<sub>50</sub>: 14.6 nM). RDN2150 TFA covalently binds to the C346 residue of ZAP-

70. RDN2150 TFA inhibits the expression of CD25 and CD69, and inhibits CD4<sup>+</sup> T cell activation. RDN2150 TFA can be used for

research of psoriasis<sup>[1]</sup>.

IC50: 14.6 nM (ZAP-70)[1] IC<sub>50</sub> & Target

#### **REFERENCES**

[1]. Rao D, et al. Discovery and Structural Optimization of Covalent ZAP-70 Kinase Inhibitors against Psoriasis. J Med Chem. 2023 Aug 18.

 $\label{lem:caution:Product} \textbf{Caution: Product has not been fully validated for medical applications. For research use only.}$ 

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