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Cat. No.:	HY-128586A	
CAS No.:	1848959-11-4	\sim
Molecular Formula:	C ₂₁ H ₂₄ CIFN ₆ O ₆ S	/ 0
Molecular Weight:	542.97	
Target:	NEDD8-activating Enzyme	HC
Pathway:	Metabolic Enzyme/Protease	L
Storage:	4°C, sealed storage, away from moisture	H₂N N N
	* In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)	0 ^{×°} Ň

SOLVENT & SOLUBILITY

		Solvent Mass Concentration	1 mg	5 mg	10 mg		
	Preparing Stock Solutions	1 mM	1.8417 mL	9.2086 mL	18.4172 mL		
		5 mM	0.3683 mL	1.8417 mL	3.6834 mL		
		10 mM	0.1842 mL	0.9209 mL	1.8417 mL		
	Please refer to the so	Please refer to the solubility information to select the appropriate solvent.					
n Vivo		one by one: 10% DMSO >> 40% PEC ng/mL (3.83 mM); Clear solution	G300 >> 5% Tween-8) >> 45% saline			
		2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.08 mg/mL (3.83 mM); Clear solution					
		3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.08 mg/mL (3.83 mM); Clear solution					

S4464 hydrochloride		
No.:	HY-128586A	

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Product Data Sheet

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BIOLOGICAL ACTIVITY		
BIOLOGICIENCIN		
Description	TAS4464 (hydrochloride) is a highly potent and selective inhibitor of NEDD8 activating enzyme (NAE), with an IC ₅₀ of 0.955 nM ^[1] . TAS4464 (hydrochloride) is a click chemistry reagent, it contains an Alkyne group and can undergo copper-catalyzed azide-alkyne cycloaddition (CuAAc) with molecules containing Azide groups.	
IC ₅₀ & Target	IC50⊠0.955 nM (NAE) ^[1]	

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- Proc Natl Acad Sci U S A. 2022 Feb 8;119(6):e2111737119.
- Viruses. 2021 Aug 14;13(8):1610.

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REFERENCES

[1]. Yoshimura C, et al. TAS4464, a highly potent and selective inhibitor of NEDD8 activating enzyme, suppresses neddylation and shows antitumor activity in diverse cancer models. Mol Cancer Ther. 2019 May 15.

Caution: Product has not been fully validated for medical applications. For research use only.

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