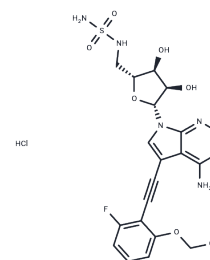


TAS4464 hydrochloride

Chemical Properties

CAS No. :	1848959-11-4
Formula:	C ₂₁ H ₂₄ ClFN ₆ O ₆ S
Molecular Weight:	542.97
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



Biological Description

Description	TAS4464 hydrochloride is a highly potent and selective NEDD8 activating enzyme (NAE) inhibitor (IC ₅₀ of 0.955 nM).
Targets (IC ₅₀)	E1/E2/E3 Enzyme, NEDD8

Solubility Information

Solubility	H ₂ O: 4 mg/mL (7.37 mM), Sonication and heating to 60°C are recommended. DMSO: 80 mg/mL (147.34 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	30% PEG300+70% Saline: 5 mg/mL (9.21 mM) <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

Preparing Stock Solutions

	1mg	5mg	10mg
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
50 mM	0.0368 mL	0.1842 mL	0.3683 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481