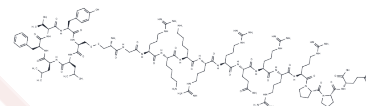


TAT-cyclo-CLLFVY

Chemical Properties

CAS No. :	1446322-66-2
Formula:	C111H188N42O24S2
Molecular Weight:	2559.1
Storage:	Keep away from moisture Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



Biological Description

Description	Selective HIF-1 dimerization inhibitor. Blocks protein-protein interaction of recombinant HIF-1 α , but not HIF-2 α , with HIF-1 β (IC ₅₀ = 1.3 μ M). Inhibits hypoxia-induced HIF-1 activity, and decreases VEGF and CAIX expression in osteosarcoma and breast cancer cells in vitro. Also reduces tubularization of hypoxic HUVECs.
Targets(IC ₅₀)	HIF/HIF Prolyl-Hydroxylase

Solubility Information

Solubility	H ₂ O: 1 mg/mL (0.39 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
------------	---

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.3908 mL	1.9538 mL	3.9076 mL
5 mM	0.0782 mL	0.3908 mL	0.7815 mL
10 mM	0.0391 mL	0.1954 mL	0.3908 mL
50 mM	0.0078 mL	0.0391 mL	0.0782 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

Miranda et al (2013) A cyclic peptide inhibitor of HIF-1 heterodimerization that inhibits hypoxia signaling in cancer cells. J.Am.Chem.Soc. 135 10418 PMID:

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