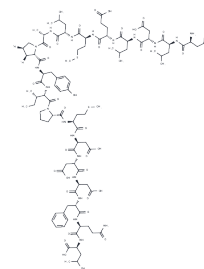


HIF-1 alpha (556-574)

Chemical Properties

CAS No. :	1201633-99-9
Formula:	C101H150D2N20O34S2
Molecular Weight:	2254.6
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	HIF-1 alpha (556-574) is a hypoxia-inducible factor-1 19-mer fragment. HIF-1 functions as a master regulator of oxygen homeostasis by initiating hypoxia-induced gene expression when the HIF-1 subunit is stabilized due to lack of oxygen. This fragment binds to the von Hippel-Lindau factor (VHL), an E3 ubiquitin ligase, with proline 564 being essential to the binding process.
Targets(IC50)	HIF/HIF Prolyl-Hydroxylase

Solubility Information

Solubility	H2O: Soluble, (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.4435 mL	2.2177 mL	4.4354 mL
5 mM	0.0887 mL	0.4435 mL	0.8871 mL
10 mM	0.0444 mL	0.2218 mL	0.4435 mL
50 mM	0.0089 mL	0.0444 mL	0.0887 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

Ehrismann D, et al. Studies on the activity of the hypoxia-inducible-factor hydroxylases using an oxygen consumption assay. Biochem J. 2007 Jan 1;401(1):227-34.

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