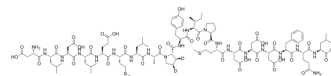


## HIF-1 alpha (556-574)

Cat. No.:	HY-P1888
CAS No.:	1201633-99-9
Molecular Formula:	C <sub>101</sub> H <sub>150</sub> D <sub>2</sub> N <sub>20</sub> O <sub>34</sub> S <sub>2</sub>
Molecular Weight:	2256.54
Sequence Shortening:	DLGLEMLAPYIPMDDDFQL
Target:	Others
Pathway:	Others
Storage:	Sealed storage, away from moisture and light, under nitrogen
	Powder    -80°C    2 years
	-20°C    1 year



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

### SOLVENT & SOLUBILITY

In Vitro	DMSO : 100 mg/mL (44.32 mM; Need ultrasonic)					
	Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	5 mg	10 mg
			1 mM	0.4432 mL	2.2158 mL	4.4316 mL
			5 mM	0.0886 mL	0.4432 mL	0.8863 mL
			10 mM	0.0443 mL	0.2216 mL	0.4432 mL
Please refer to the solubility information to select the appropriate solvent.						
In Vivo	1. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (1.11 mM); Clear solution					

### BIOLOGICAL ACTIVITY

Description	HIF-1 alpha (556-574) is a short hypoxia-inducible factor-1 (HIF-1) 19 residues fragment. HIF-1 functions as master regulator of response to oxygen homeostasis <sup>[1]</sup> .
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### REFERENCES

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

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