

DfTat

Cat. No.:	HY-P3432	
CAS No.:	2035480-78-3	
Molecular Formula:	$C_{178}H_{292}N_{74}O_{34}S_2$	
Molecular Weight:	4076.82	Chain 1:CKRKKRRQRRRG-NH ₂ Chain 2:CKRKKRRQRRRG-NH ₂ disulfide bridge chain 1 cys-1 to chain 2 cys-1
Sequence Shortening:	Chain 1:CKRKKRRQRRRG-NH ₂ ;Chain 2:CKRKKRRQRRRG-NH ₂ (disulfide bridge chain 1 cys-1 to chain 2 cys-1)	
Target:	Fluorescent Dye	
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

H₂O : 10 mg/mL (2.45 mM; Need ultrasonic)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	0.2453 mL	1.2264 mL	2.4529 mL
	5 mM	---	---	---
	10 mM	---	---	---

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

DfTat is a fluorescently labeled dimer of the prototypical cell-penetrating peptide TAT. DfTat can deliver small molecules, peptides and proteins into live cells with a particularly high efficiency. DfTat labeled with the rhodamine can be used as a tracer for easy detection^[1].

REFERENCES

[1]. Najjar K, et al. Delivery of Proteins, Peptides or Cell-impermeable Small Molecules into Live Cells by Incubation with the Endosomolytic Reagent dFTAT. J Vis Exp. 2015 Sep 2;(103):53175.

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

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