TAT peptide TFA

Cat. No.:	HY-P0282A
Molecular Formula:	$C_{67}H_{125}F_3N_{34}O_{17}$
Molecular Weight:	1735.93
Sequence Shortening:	GRKKRRQRRRPQ
Target:	HIV
Pathway:	Anti-infection
Storage:	Sealed storage, away from moisture and light 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)

BIOLOGICAL ACTIVITY

Description	TAT peptide (TFA) is a cell penetrating peptide (GRKKRRQRRRPQ) derived from the trans-activating transcriptional activator (Tat) from HIV-1[1][2].
IC_{50} & Target	HIV-1
In Vitro	TAT peptide (TFA) is a cell penetrating peptide (GRKKRRQRRRPQ) derived from the trans-activating transcriptional activator (Tat) from HIV-1[1]. TAT peptide (TFA) (GRKKRRQRRRPQ) functionalized hybrid nanoparticles are also studied due to their combined magnetic enrichment and optical detection for cell separation and rapid cell labelling. A cell viability assay reveals good biocompatibility of these hybrid nanoparticles[2]. MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Orzáez M, et al. Intrinsic caspase-8 activation mediates sensitization of erlotinib-resistant tumor cells toerlotinib/cell-cycle inhibitors combination treatment. Cell Death Dis. 2012 Oct 25;3:e415.

[2]. Lou L, et al. Functionalized magnetic-fluorescent hybrid nanoparticles for cell labelling. Nanoscale. 2011 May;3(5):2315-23.

Tel: 609-228-6898 Fax: 609-228-5909 E-mail: tech@MedChemExpress.com
Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA