Product Data Sheet

JTP10-△-R9 TFA

Cat. No.: HY-P2247

Molecular Formula: $C_{1_{19}H_{214}}F_{3}N_{53}O_{26}$

Molecular Weight: 2860.31

Sequence:

Arg-NH2

Sequence Shortening: Ac-PKRPTTLNLF-{Ahx}-RRRRRRRRRR-NH2

Target: JNK

Pathway: MAPK/ERK Pathway

Storage: Sealed storage, away from moisture

> Powder -80°C 2 years

-20°C 1 year

SOLVENT & SOLUBILITY

In Vitro

H₂O: 25 mg/mL (8.74 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent Mass Concentration	1 mg	5 mg	10 mg
	1 mM	0.3496 mL	1.7481 mL	3.4961 mL
	5 mM	0.0699 mL	0.3496 mL	0.6992 mL
	10 mM			

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

BIOLOGICAL ACTIVITY

Description	JTP10-△-R9 TFA is a selective JNK2 peptide inhibitor, with an IC ₅₀ of 89 nM, exhibiting 10-fold selectivity for JNK2 over JNK1
	and INK3[1]

IC ₅₀ & Target	JNK2	JNK1	JNK3

89 nM (IC₅₀) $1.1 \, \mu M \, (IC_{50})$ $1.2 \, \mu M \, (IC_{50})$

JTP10- \triangle -R9 TFA inhibits the migration of PyVMTjnk^{2+/+} cells and PyVMTjnk^{2-/-} cells expressing GFP-JNK2 $\alpha^{[1]}$. In Vitro

MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

^{*} In solvent: -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)

1]. Tamer S. Kao, et al. Develop	oment of JNK2-selective pept	ide inhibitors that inhibit breas	t cancer cell migration. ACS Chem Biol.	2011 Jun 17;6(6):658-66.
	Caution: Product has no	t been fully validated for m	edical applications. For research us	se only
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