H-Arg-Lys-OH TFA

Cat. No.: HY-126487A

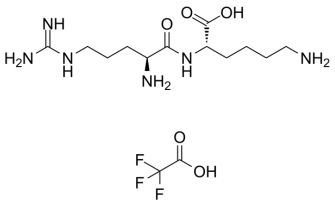
Molecular Formula: $C_{14}H_{27}F_3N_6O_5$

Molecular Weight: 416.4

Target: Endogenous Metabolite

Pathway: Metabolic Enzyme/Protease

Storage: -20°C, protect from light, stored under nitrogen
* In solvent : -80°C, 6 months; -20°C, 1 month (protect from light, stored under nitrogen)



SOLVENT & SOLUBILITY

In Vitro

H_2O : 125 mg/mL (300.19 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent / Mass / Concentration	1 mg	5 mg	10 mg
	1 mM	2.4015 mL	12.0077 mL	24.0154 mL
	5 mM	0.4803 mL	2.4015 mL	4.8031 mL
	10 mM	0.2402 mL	1.2008 mL	2.4015 mL

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

In Vivo

1. Add each solvent one by one: PBS
Solubility: 100 mg/mL (240.15 mM); Clear solution; Need ultrasonic

BIOLOGICAL ACTIVITY

Description

H-Arg-Lys-OH TFA is a dipeptide formed from L-arginyl and L-lysine residues[1].

In Vitro

To date only a few physiologically relevant advanced glycation end products (AGEs) have been characterised from tissues ex vivo, most notably lysine-lysine and lysine-arginine cross-link forming AGEs[1].
MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Collier TA, et al. Effect on the mechanical properties of type I collagen of intra-molecular lysine-arginine derived advanced glycation end-product cross-linking. J Biomech. 2018 Jan 23;67:55-61.

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

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