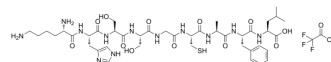


Shepherdin (79-87) (TFA)

Cat. No.:	HY-P1750A
Molecular Formula:	C ₄₃ H ₆₅ F ₃ N ₁₂ O ₁₄ S
Molecular Weight:	1063.11
Sequence:	Lys-His-Ser-Ser-Gly-Cys-Ala-Phe-Leu
Sequence Shortening:	KHSSGCAFL
Target:	HSP; Survivin
Pathway:	Cell Cycle/DNA Damage; Metabolic Enzyme/Protease; Apoptosis
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 : ≥ 70 mg/mL (65.84 mM)
 * "≥" means soluble, but saturation unknown.

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	0.9406 mL	4.7032 mL	9.4064 mL
	5 mM	0.1881 mL	0.9406 mL	1.8813 mL
	10 mM	0.0941 mL	0.4703 mL	0.9406 mL

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

BIOLOGICAL ACTIVITY

Description

Shepherdin (79-87) TFA is amino acids 79 to 87 fragment of Shepherdin. Shepherdin is a peptidomimetic antagonist of the complex between Hsp90 and Survivin. Anticancer activity^[1].

REFERENCES

[1]. Plescia J, et al. Rational design of shepherdin, a novel anticancer agent. Cancer Cell. 2005 May;7(5):457-68.

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

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