Caveolin-1 (82-101) amide (human, mouse, rat)

Cat. No.: HY-P5904

CAS No.: 2757108-69-1

Molecular Formula: $C_{124}H_{170}N_{28}O_{29}$

Molecular Weight: 2516.85

Sequence: Asp-Gly-Ile-Trp-Lys-Ala-Ser-Phe-Thr-Thr-Phe-Thr-Val-Thr-Lys-Tyr-Trp-Phe-Tyr-Arg-NH2

DGIWKASFTTFTVTKYWFYR-NH2

Sequence Shortening: DGIWKASFTTFTVTKYWFYR-NH2

Target: c-Met/HGFR

Pathway: Protein Tyrosine Kinase/RTK

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)

SOLVENT & SOLUBILITY

In Vitro

DMSO : 33.33 mg/mL (13.24 mM; Need ultrasonic)

Preparing Stock Solutions	Mass / Solvent / Concentration	1 mg	5 mg	10 mg
	1 mM	0.3973 mL	1.9866 mL	3.9732 mL
	5 mM	0.0795 mL	0.3973 mL	0.7946 mL
	10 mM	0.0397 mL	0.1987 mL	0.3973 mL

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

BIOLOGICAL ACTIVITY

Description

Caveolin-1 (82-101) amide (human, mouse, rat) (Caveolin-1 scaffolding domain peptide) is a peptide that reverses aging-associated deleterious changes in multiple organs. Caveolin-1 (82-101) amide (human, mouse, rat) inhibits tyrosine kinases [1].

REFERENCES

[1]. Kuppuswamy D, et al. The Caveolin-1 Scaffolding Domain Peptide Reverses Aging-Associated Deleterious Changes in Multiple Organs. J Pharmacol Exp Ther. 2021 Jul;378(1):1-9.

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

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