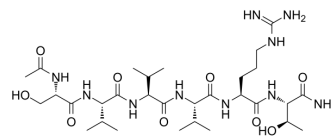


Ac-SVVRT-NH2

| | |
|-----------------------------|--|
| Cat. No.: | HY-P3455 |
| CAS No.: | 1401804-69-0 |
| Molecular Formula: | C ₃₀ H ₅₆ N ₁₀ O ₉ |
| Molecular Weight: | 700.83 |
| Sequence Shortening: | Ac-SVVRT-NH2 |
| Target: | PGC-1α |
| Pathway: | Metabolic Enzyme/Protease |
| 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

DMSO : 50 mg/mL (71.34 mM; Need ultrasonic)

| Preparing Stock Solutions | Solvent Concentration | Mass | 1 mg | 5 mg | 10 mg |
|---------------------------|-----------------------|------|-----------|-----------|------------|
| | | | | | |
| | 1 mM | | 1.4269 mL | 7.1344 mL | 14.2688 mL |
| | 5 mM | | 0.2854 mL | 1.4269 mL | 2.8538 mL |
| | 10 mM | | 0.1427 mL | 0.7134 mL | 1.4269 mL |

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

BIOLOGICAL ACTIVITY

Description

Ac-SVVRT-NH2 is a PGC-1α modulator that modulates the activity of the human PGC-1α promoter (114%). Ac-SVVRT-NH2 increases PGC-1α mRNA (125%) and accumulation of intracellular lipids (128%) in subcutaneous human adipocytes. Ac-SVVRT-NH2 can be used in the research of diseases which is modulated by PGC-1α^[1].

IC₅₀ & Target

PGC-1α^[1]

In Vitro

Ac-SVVRT-NH2 (Ac-SEQ ID No.2-NH₂, 0.1 mg/mL, 10 days) increases PGC-1α mRNA (125%) and accumulation of intracellular lipids (128%) in subcutaneous human adipocytes^[1].

Ac-SVVRT-NH2 (0.5 mg/mL, 24 h) modulates the activity of the human PGC-1α promoter (114%) in HepG2 cells^[1].

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

REFERENCES

[1]. Garcia Anton, et al. Pgc-1 α -modulating peptides. Patent US9266921.

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

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