

Adropin (34-76) (human, mouse, rat)

Cat. No.:	HY-P4860
CAS No.:	1802086-30-1
Molecular Formula:	C ₁₉₀ H ₂₉₃ N ₅₅ O ₆₈ S ₂
Molecular Weight:	4500
Sequence:	Cys-His-Ser-Arg-Ser-Ala-Asp-Val-Asp-Ser-Leu-Ser-Glu-Ser-Ser-Pro-Asn-Ser-Ser-Pro-Gly-Pro-Cys-Pro-Glu-Lys-Ala-Pro-Pro-Pro-Gln-Lys-Pro-Ser-His-Glu-Gly-Ser-Tyr-Leu-Leu-Gln-Pro (Disulfide bridge: Cys1-Cys23)
Sequence Shortening:	CHRSADVDLSLSESSPNSPGPCPEKAPPQKPSHEGSYLLQP (Disulfide bridge: Cys1-Cys23)
Target:	Akt
Pathway:	PI3K/Akt/mTOR
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)

CHRSADVDLSLSESSPNSPGPCPEKAPPQKPSHEGSYLLQP (Disulfide bridge: Cys1-Cys23)

SOLVENT & SOLUBILITY

In Vitro

DMSO : 50 mg/mL (11.11 mM; Need ultrasonic)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	0.2222 mL	1.1111 mL	2.2222 mL
	5 mM	0.0444 mL	0.2222 mL	0.4444 mL
	10 mM	0.0222 mL	0.1111 mL	0.2222 mL

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

BIOLOGICAL ACTIVITY

Description

Adropin (34-76) (human, mouse, rat) regulates fuel selection preferences in skeletal muscle. Adropin increases insulin-induced Akt phosphorylation and cell-surface expression of GLUT4, in diet-induced obesity (DIO) mouse.

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

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