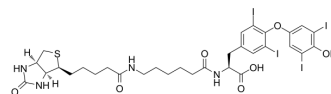


Biotin-hexanamide-(L-Thyroxine)

Cat. No.:	HY-18341F1
CAS No.:	2278192-78-0
Molecular Formula:	C ₃₁ H ₃₆ I ₄ N ₄ O ₇ S
Molecular Weight:	1116.32
Target:	Others
Pathway:	Others
Storage:	4°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



SOLVENT & SOLUBILITY

In Vitro

DMSO : 100 mg/mL (89.58 mM; Need ultrasonic)
DMF : 25 mg/mL (22.40 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent		1 mg	5 mg	10 mg
	Concentration	Mass			
	1 mM		0.8958 mL	4.4790 mL	8.9580 mL
	5 mM		0.1792 mL	0.8958 mL	1.7916 mL
	10 mM		0.0896 mL	0.4479 mL	0.8958 mL

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

BIOLOGICAL ACTIVITY

Description

Biotin-hexanamide-(L-Thyroxine) is biotinylated L-Thyroxine (HY-18341). L-Thyroxine (Levothyroxine; T4) is a synthetic hormone for the research of hypothyroidism^[1].

REFERENCES

[1]. Arici M, et al. Association between genetic polymorphism and levothyroxine bioavailability in hypothyroid patients. *Endocr J.* 2018 Mar 28;65(3):317-323.

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

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