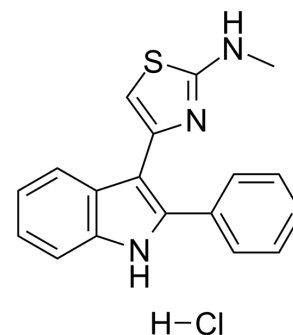


VA-K-14 hydrochloride

Cat. No.:	HY-122974
CAS No.:	1171341-19-7
Molecular Formula:	C ₁₈ H ₁₆ ClN ₃ S
Molecular Weight:	341.86
Target:	TSH Receptor
Pathway:	GPCR/G Protein
Storage:	4°C, sealed storage, away from moisture and light * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture and light)



SOLVENT & SOLUBILITY

In Vitro

DMSO : 50 mg/mL (146.26 mM; Need ultrasonic)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	2.9252 mL	14.6259 mL	29.2517 mL
	5 mM	0.5850 mL	2.9252 mL	5.8503 mL
	10 mM	0.2925 mL	1.4626 mL	2.9252 mL

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

BIOLOGICAL ACTIVITY

Description

VA-K-14 hydrochloride is a specific thyroid-stimulating hormone receptor (TSHR) antagonist (IC₅₀= 12.3 μM)^[1].

REFERENCES

[1]. Latif R, et al. TSH Receptor Signaling Abrogation by a Novel Small Molecule. Front Endocrinol (Lausanne). 2016;7:130. Published 2016 Sep 27.

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

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