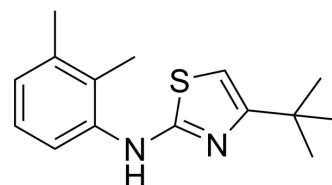


O4I4

Cat. No.:	HY-155528		
CAS No.:	412008-21-0		
Molecular Formula:	C ₁₅ H ₂₀ N ₂ S		
Molecular Weight:	260.4		
Target:	Others		
Pathway:	Others		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : 250 mg/mL (960.06 mM; Need ultrasonic)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	3.8402 mL	19.2012 mL	38.4025 mL
	5 mM	0.7680 mL	3.8402 mL	7.6805 mL
	10 mM	0.3840 mL	1.9201 mL	3.8402 mL

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

BIOLOGICAL ACTIVITY

Description

O4I4 (compound 23) is a OCT4-inducing compound with metabolic stability. O4I4 extends lifespan in *Caenorhabditis elegans* and *Drosophila*. O4I4 can be used for regenerative medicine and rejuvenation research^[1].

REFERENCES

[1]. Kang H, et al. Development of a next-generation endogenous OCT4 inducer and its anti-aging effect in vivo. *Eur J Med Chem.* 2023 Sep 5;257:115513.

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

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