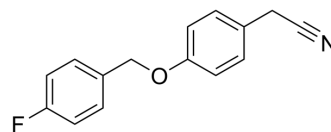


## Oct3/4-inducer-1

Cat. No.:	HY-18773
CAS No.:	1016535-83-3
Molecular Formula:	C <sub>15</sub> H <sub>12</sub> FNO
Molecular Weight:	241.26
Target:	Oct3/4
Pathway:	Stem Cell/Wnt
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 (414.49 mM; Need ultrasonic)						
	Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	5 mg	10 mg	
				1 mM	4.1449 mL	20.7245 mL	41.4491 mL
				5 mM	0.8290 mL	4.1449 mL	8.2898 mL
				10 mM	0.4145 mL	2.0725 mL	4.1449 mL
Please refer to the solubility information to select the appropriate solvent.							
In Vivo	1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2.5 mg/mL (10.36 mM); Clear solution						
	2. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (10.36 mM); Clear solution						

### BIOLOGICAL ACTIVITY

Description	Oct3/4-inducer-1 (compound 2) is a potent Oct3/4 inducer. Oct3/4-inducer-1 promotes expression and stabilization of Oct3/4, and enhances its transcriptional activity in diverse human somatic cells <sup>[1]</sup> .
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### REFERENCES

[1]. Cheng X, et al. Identification of 2-[4-[(4-Methoxyphenyl)methoxy]-phenyl]acetonitrile and Derivatives as Potent Oct3/4 Inducers. J Med Chem. 2015;58(12):4976-4983.

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

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