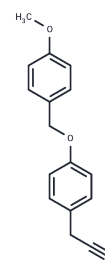


O4I1

## Chemical Properties

CAS No. : 175135-47-4  
 Formula: C<sub>16</sub>H<sub>15</sub>NO<sub>2</sub>  
 Molecular Weight: 253.3  
 Appearance: no data available  
 Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year



## Biological Description

Description	O4I1 is an effective Oct3/4 inducer.
Targets(IC50)	OCT
In vitro	O4I1 enhances Oct3/4 gene expression by approximately 2.5- and 4-fold at 10 $\mu$ M and 20 $\mu$ M, respectively, increases Oct3/4 protein levels, and promotes Oct3/4 mediated transcriptional activation. [1]

## Solubility Information

Solubility	DMSO: 13 mg/mL (51.32 mM),Sonication is recommended. Ethanol: 1 mg/mL (3.95 mM),Sonication is recommended. H2O: < 1 mg/mL (insoluble or slightly soluble), (< 1 mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.9479 mL	19.7394 mL	39.4789 mL
5 mM	0.7896 mL	3.9479 mL	7.8958 mL
10 mM	0.3948 mL	1.9739 mL	3.9479 mL
50 mM	0.079 mL	0.3948 mL	0.7896 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

## Reference

Cheng X, et al. J Med Chem. 2015, 58(12), 4976-4983.

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Tel:781-999-4286    E\_mail:info@targetmol.com    Address:36 Washington Street,Wellesley Hills,MA 02481