

# ID-8

**Catalog No: tcsc2309**



## Available Sizes

**Size:** 5mg

**Size:** 10mg

**Size:** 50mg



## Specifications

**CAS No:**

147591-46-6

**Formula:**

$C_{16}H_{14}N_2O_4$

**Pathway:**

Protein Tyrosine Kinase/RTK

**Target:**

DYRK

**Purity / Grade:**

>98%

**Solubility:**

DMSO :  $\geq 47$  mg/mL (157.56 mM)

**Observed Molecular Weight:**

298.29

## Product Description

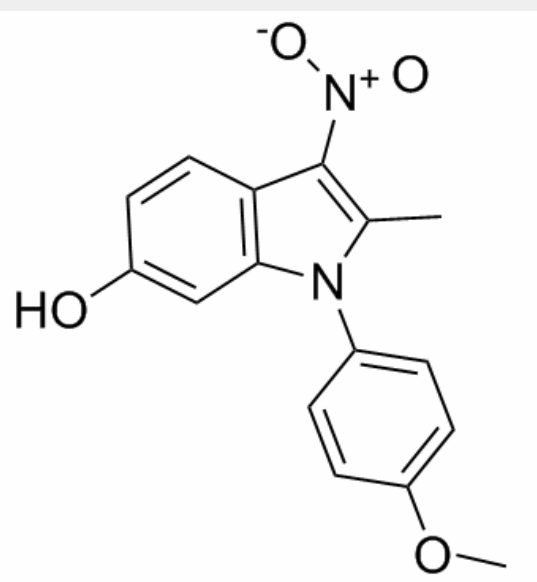
ID-8 is a DYRK inhibitor, and sustains embryonic stem cell self-renewal in long-term culture.

IC50 Value:

Target: DYRK

in vitro: the combination of Wnt and ID-8 enhanced hESC replating efficiency, and colonies expressed ALP and displayed undifferentiated morphology. members of the DYRK family are direct targets of ID-8 and that ID-8 enhances Wnt-mediated hESC survival and proliferation via inhibition of DYRKs [1]. ID-8 stimulated proliferation at a steady rate similar to LIF. ID-8 is required to maintain nanog, Sox2, and Rex-1 gene expression [2].

In vivo:



All products are for RESEARCH USE ONLY. Not for diagnostic & therapeutic purposes!