



Data Sheet

Research Use Only

Compound Name

ID-8

Catalog Number

SM01

Activity

ID-8 is a DYRK inhibitor.

Purity

>98%

Formula

$C_{16}H_{14}N_2O_4$

Solubility

DMSO

References

1. Miyabayashi, T., et al. 2008. Biosci Biotechnol Biochem. 72(5): 1242-1248. PMID: 18460821

Alternative Names

ID 8, 1-(4-Methoxyphenyl)-2-methyl-3-nitro-1H-indol-6-ol

Effect

It enables the long term expansion of embryonic stem cells (ESC). ESC treated with ID-8 in a serum-free medium were subsequently consistently differentiated into many cell types, including neurons, muscle cells and hepatocytes.

CAS

147591-46-6

Molecular Weight

298.29

Stability

Stable at -20°C. Keep away from direct sunlight.