



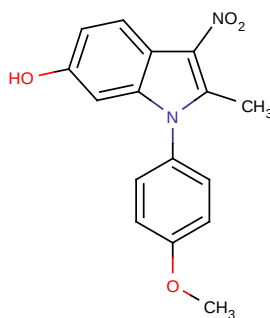
Catalog # 10-4506

ID-8

CAS# 147591-46-6

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

Lot # FBA1063



Enhances stem cell proliferation and protects pluripotency in culture.¹ Inhibits Dual-specificity tyrosine phosphorylation-regulated kinase (DYRK).²

- 1) Miyabayashi *et al.* (2008), *Indole derivatives sustain embryonic stem cell self-renewal in long term culture*; Biosci. Biotechnol. Biochem., **72** 1242
- 2) Hasegawa *et al.* (2012), *Wnt signaling orchestration with a small molecule DYRK inhibitor provides long-term xeno-free human pluripotent cell expansion*; Stem Cells Translat. Med., **1** 18

PHYSICAL DATA

Molecular Weight:	298.29
Molecular Formula:	C ₁₆ H ₁₄ N ₂ O ₄
Purity:	99% by TLC
	NMR: (Conforms)
Solubility:	DMSO (at least 10 mg/ml)
Physical Description:	Yellow solid
Storage and Stability:	Store as supplied at -20°C for up to 1 year from the date of purchase. Solutions in DMSO may be stored at -20°C for up to 3 months.

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