

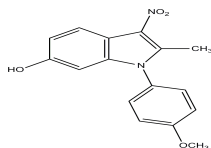
PRODUCT: ID-8

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

CATALOG #: 2562-5, 25

AMOUNT: 5 mg, 25 mg

STRUCTURE:



MOLECULAR FORMULA: C₁₆H₁₄N₂O₄

MOLECULAR WEIGHT: 298.29

CAS No. 147591-46-6

APPEARANCE: Yellow solid

SOLUBILITY: DMSO (~10 mg/ml)

PURITY: ≥98% by TLC

STORAGE: Store at -20°C. Protect from light and air

DESCRIPTION: ID-8 is a cell culture supplement that can sustain self-renewal and pluripotency of mouse embryonic stem cells in vitro. At 10 μM it stimulates proliferation in serum-free media at a steady rate for more than 30 days. Also inhibits dual-specificity tyrosine phosphorylation-regulated kinase (DYRK).

REFERENCES: Hasegawa, K., et al. (2012). *Stem Cells Transl. Med.* 1, 18-28; Miyabayashi, T., et al. (2008). *Biosci. Biotechnol. Biochem.* 72, 1242-1248

HANDLING: Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.

RELATED PRODUCTS:

- EZSolution™ A 83-01, Sterile-Filtered (Cat. No. 1989-1)
- EZSolution™ CHIR99021, Sterile-Filtered (Cat. No. 1991-1)
- DiscoveryPak™ Stem Cell Fate Regulator Set I (Cat. No. K852-3)
- DiscoveryPak™ Stem Cell Fate Regulator Set II (Cat. No. K853-8)
- DiscoveryPak™ Stem Cell Fate Regulator Set III (Cat. No. K854-3)
- DiscoveryPak™ Stem Cell Fate Regulator Set IV (Cat. No. K855-3)
- DiscoveryPak™ Stem Cell Fate Regulator Set V (Cat. No. K865-5)
- DiscoveryPak™ Stem Cell Fate Regulator Set VI (Cat. No. K866-5)
- DiscoveryPak™ Stem Cell Fate Regulator Set VII (Cat. No. K866-10)
- (±) –Bay K 8644 (Cat. No. 1682-5)
- BIX01294 (Cat. No. 1678-5, 25)
- CHIR99021 (Cat. No. 1677-5, 25)
- EZSolution™ CHIR99021 (Cat. No. 1748-5)
- Pluripotin (Cat. No. 2165-1, 5)
- PD0325901 (Cat. No. 1643-2)
- EZSolution™ PD-0325901, Sterile-Filtered (Cat. No. 1990-1)
- PS-48 (Cat. No. 1869-5)
- Pyrintegrin (Cat. No. 1729-1,5)
- EZSolution™ Pyrintegrin (Cat. No. 1737-1)
- RepSox (Cat. No. 1894-5, 25)
- Reversine (Cat. No. 1851-1, 5)
- RG 108 (Cat. No. 1679-10,30)
- SB-431542 (Cat. No. 1674-1)
- EZSolution™ SB-431542 (Cat. No. 1872-1)
- EZ EZSolution™ SB-431542, Sterile-Filtered (Cat. No. 1992-1)
- Sodium Butyrate (Cat. No. 1609-100, 1000)
- StemBoost™ Reprogramming Cocktail Set I (Cat. No. K869-1ML, 5ML, 1set)
- StemBoost™ Reprogramming Cocktail Set II (Cat. No. K870-1ML, 5ML, 1set)
- StemBoost™ YPAC Cocktail Set (Cat. No. K871-1ML, 5ML, 1set)
- Thiazovivin (Cat. No. 1681-1,5)
- EZSolution™ Thiazovivin (Cat. No. 1736-1)
- EZSolution™ Thiazovivin, Sterile-Filtered (Cat. No. 1993-1)
- Tranylcypromine Hemisulfate (Parnate) (Cat. No. 1816-25,100)
- Valproic Acid, Sodium Salt (Cat. No. 1647-200)
- Y-27632,2 HCl (Cat. No. 1596-1, 5, 50)
- EZSolution™ Y-27632, HCl (Cat. No. 1784-5)
- EZSolution™ Y-27632, HCl, Sterile-Filtered (Cat. No. 1994-1)

USAGE: **FOR RESEARCH USE ONLY! Not to be used in humans.**