

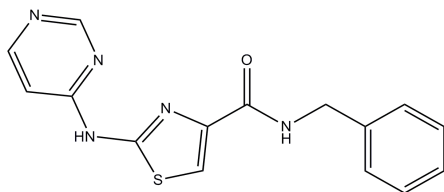
Thiazovivin

ALTERNATE NAME: N-Benzyl-2-(pyrimidin-4-ylamino)thiazole-4-carboxamide; Tzv

CATALOG #: 1681-1, 5

AMOUNT: 1 mg, 5 mg

STRUCTURE:



MOLECULAR FORMULA: C₁₅H₁₃N₅OS

MOLECULAR WEIGHT: 311.36

CAS NUMBER: 1226056-71-8

APPEARANCE: Off-white solid

SOLUBILITY: DMSO (100 mM)

PURITY: >98% by HPLC

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

DESCRIPTION: Cell-permeable. Helps in promoting human embryonic stem cell (hESC) survival by > 30-fold. Acts as a Rho-associated Kinase (ROCK) inhibitor. Tzv (2 μM) inhibits ROCK activity and protect hESCs at a similar level as Y-27632 (10 μM) (Cat. No. 1596), a well-known, selective ROCK inhibitor.

REFERENCES: Xu, Y., *et al.* (2010). *Proc. Natl. Acad. Sci. USA* 107, 8129-8134; Lin, T., *et al.* (2009). *Nat. Methods* 6, 805-808.

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™ PD-0325901, Sterile-Filtered (Cat. No. 1990-1)
 EZSolution™ CHIR99021, Sterile-Filtered (Cat. No. 1991-1)
 EZSolution™ SB-431542, Sterile-Filtered (Cat. No. 1992-1)
 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)
 PD0325901 (Cat. No. 1643-2)
 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)
 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™ Thiazovivi, Sterile-Filtered (Cat. No. 1993-1)
 Tranlycypromine 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)

FOR RESEARCH USE ONLY! Not to be used on humans.