

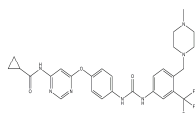
Product: **WS3**

ALTERNATE NAME: N-[6-[4-[[[4-[(4-Methyl-1-piperazinyl)methyl]-3-(trifluoromethyl)phenyl]-amino]carbonyl]amino]phenoxy]-4-pyrimidinyl]-cyclopropanecarboxamide, WS-3

CATALOG #: 2799-5, 25

AMOUNT: 5 mg, 25 mg

STRUCTURE:



MOLECULAR FORMULA: C₂₈H₃₀F₃N₇O₃

MOLECULAR WEIGHT: 569.58

CAS NUMBER: 1421227-52-2

APPEARANCE: White to off-white solid

SOLUBILITY: DMSO (~10 mg/ml)

PURITY: ≥98% by HPLC

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

DESCRIPTION: WS3 is a novel small molecule that promotes β cell proliferation with EC₅₀ of 28 nM (induced R7T1 proliferation). More recently, WS3 has been found to mediate proliferation of primary retinal pigment epithelial cells. After WS3 removal, the retinal cells differentiated into a functional monolayer and remained functional in vivo, preserving vision when they were transplanted into RCS rats used as a model of retinal degeneration.

REFERENCES: Shen, W., *et al.* (2013). *J. Am. Chem. Soc.* **135**, 1669-1672.

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

RELATED PRODUCTS:

Quick Cell Proliferation Colorimetric Assay Kit (**K301**)
Quick Cell Proliferation Colorimetric Assay Kit plus (**K302**)
Ready-to-use Cell Proliferation Reagent, WST-1 (**K304**)
VisionBlue™ Quick Cell Viability Fluorometric Assay Kit (**K303**)
MTS Cell Proliferation Colorimetric Assay Kit (**K301**)
ADP Colorimetric/Fluorometric Assay Kit (**K355**)
ApoSENSOR™ ATP Cell Viability Bioluminescence Assay Kit (**K254**)
ADP Colorimetric Assay Kit II (**K356**)
ApoSENSOR™ ADP/ATP Ratio Bioluminescence Assay Kit (**K255**)
StayBrite™ Highly Stable ATP Bioluminescence Assay kit (**K791**)
ATP Colorimetric Assay Kit II (**K354**)
WST-1 (**2198**)
WS6 (**Cat. No. 2711-5, 25**)