

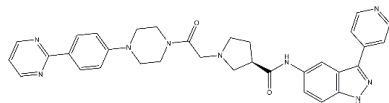
PRODUCT: SCH772984

ALTERNATE NAMES: SCH-772984; SCH 772984; (3R)-1-[2-oxo-2-[4-(4-pyrimidin-2-ylphenyl)piperazin-1-yl]ethyl]-N-(3-pyridin-4-yl-1H-indazol-5-yl)pyrrolidine-3-carboxamide

CATALOG#: B1682-5, -25

AMOUNT: 5 mg, 25 mg

STRUCTURE:



MOLECULAR FORMULA: C₃₃H₃₃N₉O₂

MOLECULAR WEIGHT: 587.67

CAS NUMBER: 942183-80-4

APPEARANCE: Solid powder

SOLUBILITY: DMSO

PURITY: >98%

STORAGE: Dry, dark and at 4°C for short term (days to weeks) or at -20°C for long term. Protect from air and light.

DESCRIPTION: SCH772984 is a novel, specific inhibitor of ERK1/2 with IC₅₀ of 4 nM and 1 nM, respectively.

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

REFERENCES:

1. Morris EJ, et al. Discovery of a novel ERK inhibitor with activity in models of acquired resistance to BRAF and MEK inhibitors. *Cancer Discov.* 2013 Jul;3(7):742-50.
2. Wong D J L et al. Antitumor activity of the ERK inhibitor SCH722984 against BRAF mutant, NRAS mutant and wild-type melanoma[J]. *Molecular cancer*, 2014, 13(1): 194.
3. Hu C et al. Abstract B263: Combined inhibition of cyclin-dependent kinases (Dinaciclib) and AKT (MK-2206) or ERK (SCH772984) dramatically blocks pancreatic tumor growth and metastases in patient-derived orthotopic xenograft models[J]. *Molecular Cancer Therapeutics*, 2013, 12(11 Supplement): B263-B263.

RELATED PRODUCTS:

- PD184352 (Cat. No. 1585-1, 5, 25)
- EZSolution™ PD184352 (Cat. No. 1871-1)
- PD 98059 (Cat. No. 1666-5)
- EZSolution™ PD 98059 (Cat. No. 1783-5)
- SB 203580 (Cat. No. 1712-1, 5)
- EZSolution™ SB-203580 (Cat. No. 1786-1)
- U0126 (Cat. No. 1668-5)
- Sorafenib (Cat. No. 1594-25, 100)
- VX-702 (Cat. No. 1598-1, 5)

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