

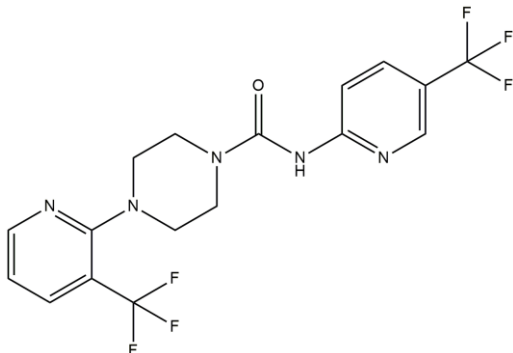
JNJ-17203212

01/20

ALTERNATE NAME: 4-[3-(trifluoromethyl)pyridin-2-yl]-N-[5-(trifluoromethyl)pyridin-2-yl]piperazine-1-carboxamide

CATALOG #: B2974-5 5 mg
B2974-25 25 mg

STRUCTURE:



MOLECULAR FORMULA: C₁₇H₁₅F₆N₅O

MOLECULAR WEIGHT: 419.32

CAS NUMBER: 821768-06-3

APPEARANCE: Solid

PURITY: 98%

SOLUBILITY: ~20 mg/ml in DMSO

DESCRIPTION: JNJ-17203212 is a reversible and potent antagonist of transient receptor potential vanilloid 1 (TRPV1) with *pK_i* values of 6.5, 7.1 and 7.3 at rat, guinea pig and human TRPV1 respectively. It inhibits capsaicin- and low pH- induced channel activation with *pI_C₅₀* values of 6.32 and 7.23 respectively. Intraperitoneal administration of JNJ17203212 (20 mg/kg) attenuates capsaicin evoked coughs. Chronic administration of JNJ-17203212 (30 mg/kg, s.c., twice daily) shows analgesic activity in an *in vivo* model of bone cancer pain.

STORAGE TEMPERATURE: -20°C

REFERENCES:

1. Bhattacharya, A., Scott, B.P., Nasser, N., et al. Pharmacology and antitussive efficacy of 4-(3-trifluoromethyl-pyridin-2-yl)-piperazine-1-carboxylic acid (5-trifluoromethyl-pyridin-2-yl)-amide (JNJ17203212), a transient receptor potential vanilloid 1 antagonist in guinea pigs. *J Pharmacol Exp Ther.* 323(2):665-74 (2007).
2. Swanson, D.M., Dubin, A.E., Shah, C. et al. Identification and biological evaluation of 4-(3-trifluoromethylpyridin-2-yl)piperazine-1-carboxylic acid (5-trifluoromethylpyridin-2-yl)amide, a high affinity TRPV1 (VR1) vanilloid receptor antagonist. *J Med Chem.* 48(6):1857-72 (2005).
3. Ghilardi, J.R., Röhrich, H., Lindsay, T.H., et al. Selective blockade of the capsaicin receptor TRPV1 attenuates bone cancer pain. *J Neurosci.* 25(12):3126-31 (2005).

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

RELATED PRODUCTS:

Ryanodine (Cat. No. 2489)
 Amlodipine besylate (Cat. No. 2378)
 Capsaicin (Cat. No. 2521)
 Ruthenium Red (Cat. No. 2490)
 GSK 1016790A (Cat. No. B2952)

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