



938 South Andreasen Drive, Suite E
Escondido, CA 92029 USA

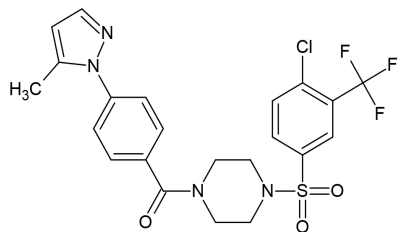
Phone: +1-760-738-1508
Fax: +1-760-738-1530
info@auroramedbiochem.com
www.auroramedbiochem.com

BMP-2 Signaling Enhancer, A01

ALTERNATE NAME: [4-[4-chloro-3-(trifluoromethyl)phenyl]sulfonylpiperazin-1-yl]-[4-(5-methylpyrazol-1-yl)phenyl]methanone; A01

CATALOG #: AUR11298

STRUCTURE:



MOLECULAR FORMULA: C₂₂H₂₀ClF₃N₄O₃S

MOLECULAR WEIGHT: 512.93

CAS#: 1007647-73-5

APPEARANCE: Yellowish-white Solid

SOLUBILITY: DMSO (50 mg/ml)

PURITY: >97% by LCMS

STORAGE: Store at +2°C to +8°C; Protect from air and light

DESCRIPTION: A01 is a high affinity Smurf1 E3 ubiquitin ligase inhibitor ($K_d = 3.7$ nM). Attenuates Smurf1-mediated Smad 1/5 degradation and enhances BMP signaling. Potentiates BMP-2-induced osteoblastic activity in C2C12 myoblasts and MC3T3-E1 osteoblast precursor cells.

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