

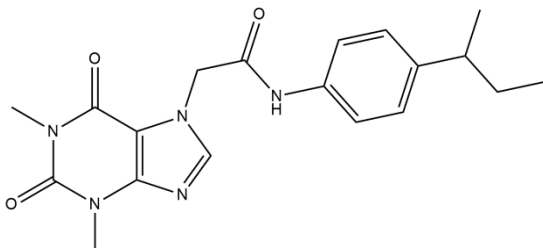
TCS 5861528

01/20

ALTERNATE NAMES: N-(4-butan-2-ylphenyl)-2-(1,3-dimethyl-2,6-dioxapurin-7-yl)acetamide; Chembridge-5861528; 1,2,3,6-tetrahydro-1,3-dimethyl-N-[4-(1-methylpropyl)phenyl]-2,6-dioxo-7H-purine-7-acetamide; 2-(1,3-Dimethyl-2,6-dioxo-1,2,3,6-tetrahydro-7H-purin-7-yl)-N-[4-(1-methylpropyl)phenyl]acetamide

CATALOG #: B2977-5 5 mg
B2977-25 25 mg

STRUCTURE:



MOLECULAR FORMULA: C₁₉H₂₃N₅O₃

MOLECULAR WEIGHT: 369.42

CAS NUMBER: 332117-28-9

APPEARANCE: Solid

PURITY: 97%

SOLUBILITY: ~15 mg/ml in DMSO
~0.1 mg/ml in Ethanol
~30 mg/ml in DMF
May need ultrasonication or warming

DESCRIPTION: TCS 5861528 is a selective transient receptor potential ankyrin 1 (TRPA1) blocker that antagonizes TRPA1-mediated calcium influx induced by allyl isothiocyanate and 4-hydroxy nonenal with IC₅₀ values of 14.3 and 18.7 μM, respectively. Chronic administration of TCS 5861528 (30 mg/kg twice daily) in diabetic rats attenuates pain-related behavior and development of mechanical hypersensitivity.

STORAGE TEMPERATURE: -20°C

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

REFERENCE: Wei, H., Hämäläinen, M.M., Saarnilehto, M., et al. Attenuation of the mechanical hypersensitivity by an antagonist of the TRPA1 ion channel in diabetic animals. *Anesthesiology* 111, 147-154 (2009).

RELATED PRODUCTS:

EZSolution™ Ionomycin free acid (Cat. No. 2309)
 FURA-5F/AM (Cat. No. 9551)
 GSK 1016790A (Cat. No. B2952)
 Optovin (Cat. No. 9594)
 ASP7663 (Cat. No. B2976)

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