
Product Data Sheet

Product Name: A 425619

Cat. No.: GC50261

Chemical Properties

Cas. No. 581809-67-8

SMILES O=C(NCC1=CC=C(C(F)(F)F)C=C1)NC2=CC=CC3=CN=CC=C32Formula $C_{18}H_{14}F_3N_3O$ M.Wt 345.32

Solubility Soluble in DMSO Storage Store at -20°C

General tips For obtaining a higher solubility, please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT, or blue ice upon request.

Structure **Background**

Potent TRPV1 antagonist (IC₅₀ = 3-9 nM). Blocks capsaicin-evoked currents in rat DRG neurons and inhibits TRPV1-activation by anandamide and N-arachidonoyl-dopamine. Reduces pain in inflammatory, postoperative and osteoarthritic in vivo pain models.

El Kouhen et al (2005) A-425619 [1-isoquinolin-5-yl-3-(4-trifluoromethyl-benzyl)-urea], a novel and selective transient receptor potential type V1 receptor antagonist, blocks channel activation by vanilloids, heat, and acid. J.Pharmacol.Exp.Ther. 314 400 PMID:15837819 | McGaraughty et al (2006) Systemic and site-specific effects of A-425619, a selective TRPV1 receptor antagonist, on wide dynamic range neurons in CFA-treated and uninjured rats. J.Neurophysiol. 95 18 PMID:16162831

Caution: Product has not been fully validated for medical applications. For research use only.

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