

Product Data Sheet

Product Name: (R)-KT109

Cat. No.: GC41718

Chemical Properties

Cas. No. 2055172-60-4

SMILES O=C(N1N=NC(C2=CC=C(C3=CC=CC=C3)C=C2)=C1)N4[C@@H](CC5=CC=CC=C5)CCCC4

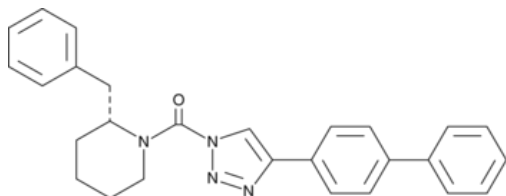
Formula C₂₇H₂₆N₄O M.Wt 422.5

Solubility DMF: 10 mg/ml, DMSO: 10 mg/ml Storage Store at -20°C

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

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

Structure



Background

(R)-KT109 is the (R) isomer of the diacylglycerol lipase β (DAGL β) inhibitor KT109. (R)-KT109 is an inhibitor of DAGL β (IC₅₀ = 0.79 nM) and of DAGL α -mediated hydrolysis of 1-stearoyl-2-arachidonoyl-sn-glycerol. It also inhibits α/β -hydrolase domain-containing protein 6 (ABHD6) with an IC₅₀ value of 2.51 nM. (R)-KT109 is more potent at DAGL β , DAGL α , and ABHD6 than (S)-KT109.

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

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