
Product Data Sheet

Product Name: (R)-ZINC 3573

Cat. No.: GC50426

Chemical Properties

Cas. No. 2089389-15-9

SMILES CN([C@H]1CN(C2=CC(C3=CC=CC=C3)=NC4=CC=NN24)CC1)CFormula C₁₈H₂₁N₅

M.Wt 307.4

Solubility DMSO : 50 mg/mL (162.66 mM; ultrasonic and warming and heat to 60°C)

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**

Mas-related G protein-coupled receptor X2 (MRGPRX2) agonist (EC₅₀ = 0.74 μM). Displays selectivity for MRGPRX2 over 350 other GPCRs, including MRGPRX1. Induces intracellular calcium release and degranulation in LAD2 mast cells in vitro. Negative control (S)-ZINC 3573 also available.

Lansu et al (2017) In silico design of novel probes for the atypical opioid receptor MRGPRX2. Nat.Chem.Biol. 13 529 PMID:28288109

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

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