
Product Data Sheet

Product Name: SHR1653

Cat. No.: GC37635

Chemical Properties

Cas. No. 2231770-73-1

SMILES COC1=CC=C(N2C(N3C[C@@]4(C5=CC=C(F)C=C5Cl)C[C@@]4([H])C3)=NN=C2COC)C=N1

Formula $C_{21}H_{21}ClFN_5O_2$ M.Wt 429.88

Solubility DMSO : 100 mg/mL (232.62 mM; Need ultrasonic) 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

SHR1653 is a highly potent, selective and brain penetrated oxytocin receptor (OTR) antagonist, with an IC₅₀ of 15 nM for hOTR[1]. IC₅₀: 15 nM (hOTR)[1].

[1]. Li X, et al. Discovery of SHR1653, a Highly Potent and Selective OTR Antagonist with Improved Blood-Brain Barrier Penetration. ACS Med Chem Lett. 2019 May 29;10(6):996-1001.

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

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