

Product Data Sheet

Product Name: (R)-ADX-47273

Cat. No.: GC34985

Chemical Properties

Cas. No. 851881-59-9

SMILES O=C(N1C[C@H](C2=NC(C3=CC=C(C=C3)F)=NO2)CCC1)C4=CC=C(C=C4)F

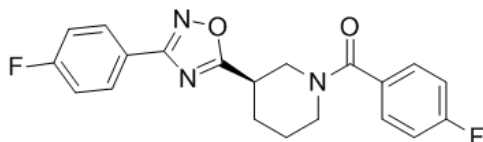
Formula $C_{20}H_{17}F_2N_3O_2$ M.Wt 369.36

Solubility DMSO : 100 mg/mL (270.74 mM; Need ultrasonic) 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

(R)-ADX-47273 is a potent mGluR5 positive allosteric modulator, with an EC₅₀ of 168 nM for potentiation . mGluR5|168 nM (EC₅₀)

(R)-ADX-47273 (ADX-47273 (5)) is a potent mGluR5 positive allosteric modulator with an EC₅₀ for potentiation of 168 nM and a 9-fold shift of the glutamate response curve at 1 μM[1].

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

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[1]. Engers DW, et al. Synthesis, SAR and unanticipated pharmacological profiles of analogues of the mGluR5 ago-potentiator ADX-47273. ChemMedChem. 2009 Apr;4(4):505-11.

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