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## ADX47273

产品编号: D51006

CAS: 851881-60-2

分子式: C<sub>20</sub>H<sub>17</sub>F<sub>2</sub>N<sub>3</sub>O<sub>2</sub>

纯度: ≥98%

InChi: InChI=1S/C<sub>20</sub>H<sub>17</sub>F<sub>2</sub>N<sub>3</sub>O<sub>2</sub>/c21-16-7-3-13(4-8-16)18-23-19(27-24-18)15-2-1-11-25(12-15)20(26)14-5-9-17(22)10-6-14/h3-10,15H,1-2,11-12H2/t15-/m0/s1

InChi Key: VXQCCZHCFBHTTD-HNNXBMFYSA-N

Smiles: O=C(C1C=CC(F)=CC=1)N1C[C@H](CCC1)C1=NC(=NO1)C1C=CC(F)=CC=1

外观: 固体粉末

作用通路: mGluR

溶解性: DMSO: ≥31 mg/mL

保存条件: Store in dry, dark place for one year.

产品介绍: ADX-47273 is a potent and selective mGluR5 receptor PAM (positive allosteric modulator), EC<sub>50</sub> = 0.17 μm, with no effect on other mGluR subtypes. In vivo, ADX47273 increased extracellular signal-regulated kinase and cAMP-responsive element-binding protein phosphorylation in hippocampus and prefrontal cortex, both of which are critical for glutamate-mediated signal transduction mechanisms. The mGluR (metabotropic glutamate receptor) is a group of G-protein coupled receptors and is active through an indirect metabotropic process. It plays a critical role in regulating synaptic plasticity and neural network activity.