

# VU 0357121

**Catalog No: tcsc0795**



## Available Sizes

**Size:** 10mg

**Size:** 50mg



## Specifications

**CAS No:**

433967-28-3

**Formula:**

$C_{17}H_{17}F_2NO_2$

**Pathway:**

GPCR/G Protein

**Target:**

mGluR

**Purity / Grade:**

>98%

**Solubility:**

DMSO :  $\geq 50$  mg/mL (163.76 mM)

**Observed Molecular Weight:**

305.32

## Product Description

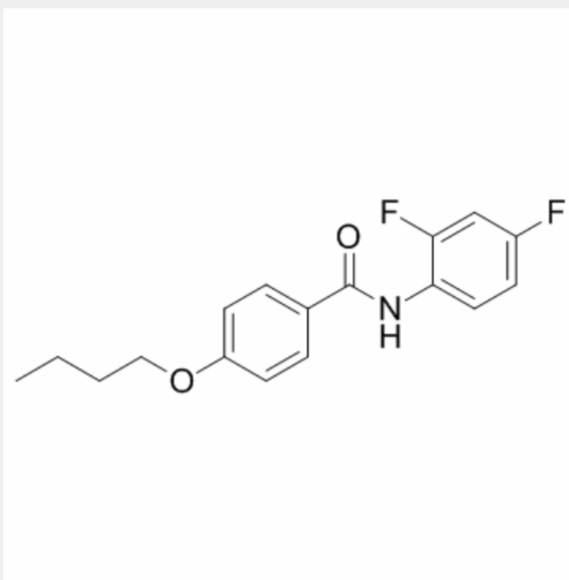
VU0357121 is a novel positive and highly selective allosteric modulator (PAM) of mGlu5R with EC50 of 33 nM.

IC50 Value: 33 nM(EC50)

Target: mGluR5

in vitro: VU0357121 do not bind at the MPEP allosteric site of mGlu5, thus do not possess mGlu5 NAM activity. The A809V/rmGlu5 mutation inhibited the ability of VU0357121 to shift the glutamate concentration response curve, whereas the response to VU0357121 is not altered by the F585I/rmGlu5 mutation. VU0357121 show weaker cooperativity in the Ca<sup>2+</sup> mobilization assay in the low-expressing HEK293A-mGlu5 cell line.

in vivo:



All products are for RESEARCH USE ONLY. Not for diagnostic & therapeutic purposes!