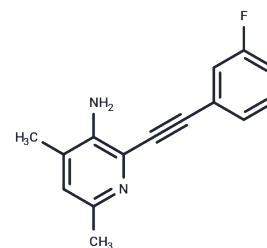


## Raseglurant

## Chemical Properties

CAS No. :	757950-09-7
Formula:	C <sub>15</sub> H <sub>13</sub> FN <sub>2</sub>
Molecular Weight:	240.28
Storage:	Powder: -20°C for 3 years   In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



## Biological Description

Description	Raseglurant (ADX-10059) is a negative allosteric modulator of the mGlu5 receptor that demonstrates efficacy against migraine and significantly reduces haloperidol-induced catalepsy in mice. Raseglurant is widely used in neuropharmacology research to study glutamatergic modulation, motor side effects of antipsychotics, and migraine-related signaling pathways.
Targets(IC50)	GluR

## Solubility Information

Solubility	DMSO: 80 mg/mL (332.94 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
------------	---

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.1618 mL	20.8091 mL	41.6181 mL
5 mM	0.8324 mL	4.1618 mL	8.3236 mL
10 mM	0.4162 mL	2.0809 mL	4.1618 mL
50 mM	0.0832 mL	0.4162 mL	0.8324 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Romero-Fernandez W, et al. The mGlu5 Receptor Protomer-Mediated Dopamine D2 Receptor Trans-Inhibition Is Dependent on the Adenosine A2A Receptor Protomer: Implications for Parkinson's Disease. Mol Neurobiol. 2022 Oct;59(10):5955-5969.

Font J, et al. Correction: Optical control of pain in vivo with a photoactive mGlu5 receptor negative allosteric modulator. Elife. 2018 Jan 8;7:e34752.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E\_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481