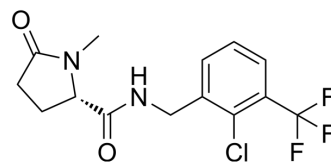


## GSK-1482160

|                    |  |       |          |
|--------------------|--|-------|----------|
| Cat. No.:          | HY-19888   |       |          |
| CAS No.:           | 1001389-72-5   |       |          |
| Molecular Formula: | C <sub>14</sub> H <sub>14</sub> ClF <sub>3</sub> N <sub>2</sub> O <sub>2</sub> |       |          |
| Molecular Weight:  | 334.72   |       |          |
| Target:            | P2X Receptor   |       |          |
| Pathway:           | Membrane Transporter/Ion Channel   |       |          |
| Storage:           | Powder   | -20°C | 3 years  |
|                    |  | 4°C   | 2 years  |
|                    | In solvent   | -80°C | 6 months |
|                    |  | -20°C | 1 month  |



### SOLVENT & SOLUBILITY

#### In Vitro

DMSO : 100 mg/mL (298.76 mM; Need ultrasonic)

| Concentration             | Solvent | Mass      |            |            |
|---------------------------|---------|-----------|------------|------------|
|                           |         | 1 mg      | 5 mg       | 10 mg      |
| Preparing Stock Solutions | 1 mM    | 2.9876 mL | 14.9379 mL | 29.8757 mL |
|                           | 5 mM    | 0.5975 mL | 2.9876 mL  | 5.9751 mL  |
|                           | 10 mM   | 0.2988 mL | 1.4938 mL  | 2.9876 mL  |

Please refer to the solubility information to select the appropriate solvent.

### BIOLOGICAL ACTIVITY

#### Description

GSK-1482160 is an orally available negative allosteric modulator of the P2X7 receptor. P2X7 receptors are involved in the production of pro-inflammatory cytokines, such as IL-1 $\beta$ , by central and peripheral immune cells. GSK-1482160 has the potential for the research of inflammation diseases<sup>[1]</sup>.

#### IC<sub>50</sub> & Target

P2X7 Receptor

### REFERENCES

[1]. Ali Z, et al. Pharmacokinetic and pharmacodynamic profiling of a P2X7 receptor allosteric modulator GSK1482160 in healthy human subjects. Br J Clin Pharmacol. 2013;75(1):197-207. doi:10.1111/j.1365-2125.2012.04320.x

---

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: [tech@MedChemExpress.com](mailto:tech@MedChemExpress.com)

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA