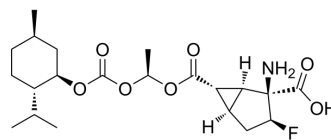


## MGS0274

|                    |   |
|--------------------|---|
| Cat. No.:          | HY-131336   |
| CAS No.:           | 1501974-69-1  |
| Molecular Formula: | C <sub>21</sub> H <sub>32</sub> FNO <sub>7</sub>  |
| Molecular Weight:  | 429.48  |
| Target:            | mGluR   |
| Pathway:           | GPCR/G Protein; Neuronal Signaling  |
| Storage:           | Please store the product under the recommended conditions in the Certificate of Analysis. |



### BIOLOGICAL ACTIVITY

|                           |  |        |
|---------------------------|--|--------|
| Description               | MGS0274, an ester-based lipophilic proagent of a metabotropic glutamate (mGlu)2 and mGlu3 receptor agonist MGS0008, shows improved oral bioavailability. MGS0274 has the potential for the research of schizophrenia <sup>[1][2]</sup> . |        |
| IC <sub>50</sub> & Target | mGluR2   | mGluR3 |

### REFERENCES

[1]. Urabe H, et al. Discovery of MGS0274, an ester prodrug of a metabotropic glutamate receptor 2/3 agonist with improved oral bioavailability [published online ahead of print, 2020 Jul 5]. *Eur J Med Chem.* 2020;203:112521.

[2]. Kinoshita K, et al. Preclinical disposition of MGS0274 besylate, a prodrug of a potent group II metabotropic glutamate receptor agonist MGS0008 for the treatment of schizophrenia. *Pharmacol Res Perspect.* 2019;7(5):e00520. Published 2019 Sep 13.

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

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