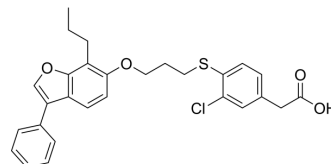


## L-796449

|                    |   |
|--------------------|---|
| Cat. No.:          | HY-123654   |
| CAS No.:           | 194608-80-5   |
| Molecular Formula: | C <sub>28</sub> H <sub>27</sub> ClO <sub>4</sub> S  |
| Molecular Weight:  | 495.03  |
| Target:            | PPAR  |
| Pathway:           | Cell Cycle/DNA Damage; Vitamin D Related/Nuclear Receptor                                 |
| Storage:           | Please store the product under the recommended conditions in the Certificate of Analysis. |



### BIOLOGICAL ACTIVITY

|                                     |   |  |
|-------------------------------------|---|--|
| <b>Description</b>                  | L-796449 is a potent PPAR $\gamma$ agonist. L-796449 shows neuroprotective. L-796449 has the potential for the research of stroke <sup>[1]</sup> .  |  |
| <b>IC<sub>50</sub> &amp; Target</b> | PPAR $\gamma$ <sup>[1]</sup>  |  |
| <b>In Vivo</b>                      | L-796449 (1 mg/kg; i.p.) shows neuroprotective in middle cerebral artery occlusion (MCAO) in the rat brain <sup>[1]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only. |  |
|                                     | Animal Model:   | 250 g adult male Fischer rats <sup>[1]</sup>   |
|                                     | Dosage:   | 1 mg/kg (MCAO 10 minutes before IP injection)  |
|                                     | Administration:   | i.p.   |
|                                     | Result:   | Decreased MCAO-induced infarct size determined 2 and 7 days after the ischemic injury, inhibited MCAO-induced expression of iNOS and MMP-9 but did not affect COX-2 levels at the time examined; increased the expression of heme oxygenase-1 (HO-1) and inhibited NF- $\kappa$ B signaling. |

### REFERENCES

[1]. Pereira MP, et al. The nonthiazolidinedione PPAR $\gamma$  agonist L-796,449 is neuroprotective in experimental stroke. J Neuropathol Exp Neurol. 2005 Sep;64(9):797-805.

**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

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