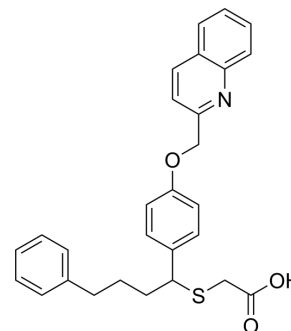


## L-674573

|                    |  |
|--------------------|--|
| Cat. No.:          | HY-120571  |
| CAS No.:           | 127481-29-2  |
| Molecular Formula: | C <sub>28</sub> H <sub>27</sub> NO <sub>3</sub> S  |
| Molecular Weight:  | 457.58   |
| Target:            | Leukotriene Receptor   |
| Pathway:           | GPCR/G Protein   |
| Storage:           | 4°C, protect from light<br>* In solvent : -80°C, 6 months; -20°C, 1 month (protect from light) |



### SOLVENT & SOLUBILITY

#### In Vitro

DMSO : 125 mg/mL (273.18 mM; Need ultrasonic)

| Preparing Stock Solutions | Solvent Concentration | Mass      |            |            |
|---------------------------|-----------------------|-----------|------------|------------|
|                           |                       | 1 mg      | 5 mg       | 10 mg      |
|                           | 1 mM                  | 2.1854 mL | 10.9271 mL | 21.8541 mL |
|                           | 5 mM                  | 0.4371 mL | 2.1854 mL  | 4.3708 mL  |
|                           | 10 mM                 | 0.2185 mL | 1.0927 mL  | 2.1854 mL  |

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

### BIOLOGICAL ACTIVITY

#### Description

L-674573 is a quinoline leukotriene synthesis inhibitor that selectively inhibits 5-lipoxygenase translocation<sup>[1]</sup>.

### REFERENCES

[1]. S Kargman, et al. Translocation of HL-60 cell 5-lipoxygenase. Inhibition of A23187- or N-formyl-methionyl-leucyl-phenylalanine-induced translocation by indole and quinoline leukotriene synthesis inhibitors. J Biol Chem. 1991 Dec 15;266(35):23745-52.

**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