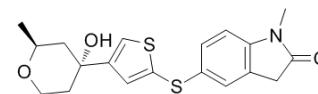


## AZD 4407

Cat. No.:	HY-U00217
CAS No.:	166882-70-8
Molecular Formula:	C <sub>19</sub> H <sub>21</sub> NO <sub>3</sub> S <sub>2</sub>
Molecular Weight:	375.5
Target:	Lipoxygenase
Pathway:	Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

Description	AZD 4407 is a potent 5-lipoxygenase inhibitor.
IC <sub>50</sub> & Target	5-Lipoxygenase
In Vitro	In view of the powerful spasmogenic actions of leukotrienes in vascular and bronchial tissue, drugs which block their biosynthesis by inhibiting 5-lipoxygenase may have therapeutic potential in a variety of inflammatory conditions including inflammatory arthropathies, asthma, psoriasis, and inflammatory bowel disease. One such compound is AZD 4407 (ZD4407) [1]. MCE has not independently confirmed the accuracy of these methods. They are for reference only.

### REFERENCES

[1]. Jonathan Hutton, et al. Use of a Titanium Thienyl Anion and a Simple Procedure for Introducing a Thiol Group into Thiophene in the Development of a Manufacturing Route to the 5-Lipoxygenase Inhibitor ZD4407. *Org Process Res Dev.* 1997 Jan 15;1(1): 61-67.

**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