
Product Data Sheet

Product Name: AZD 4407 (ZD 4407)

Cat. No.: GC32035

Chemical Properties

Cas. No. 166882-70-8

SMILES O=C1N(C)C2=C(C=C(SC3=CC([C@]4(O)C[C@H](C)OCC4)=CS3)C=C2)C1

Formula $C_{19}H_{21}NO_3S_2$ M.Wt 375.5

Solubility Soluble in DMSO Storage Store at -20°C

General tips For obtaining a higher solubility, please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT, or blue ice upon request.

Structure

Background

AZD 4407 is a potent 5-lipoxygenase inhibitor.

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].

[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.

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