

Product Data Sheet

Product Name: SDZ285428

Cat. No.: GC61465

Chemical Properties

Cas. No. 174262-13-6

SMILES O=C(C1=CC=C(C2=CC=C(Cl)C=C2)C=C1)NCC(N3C=CN=C3)C4=CC=CC=C4

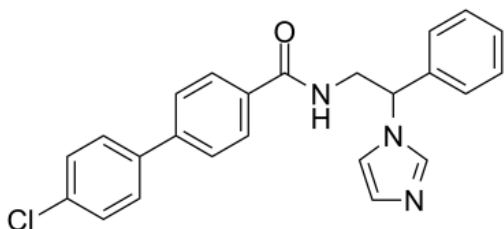
Formula $C_{24}H_{20}ClN_3O$ M.Wt 401.89

Solubility DMSO: 50 mg/mL (124.41 mM) 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

SDZ285428 is a CYP51 inhibitor. SDZ285428 inhibits *Trypanosoma cruzi* (TC) CYP51 with I/E2 <1 (5 min) and I/E2=9 (1 h). SDZ285428 inhibits *Trypanosoma brucei* (TB) CYP51 with I/E2 <1 (5 min) and I/E2=35 (1 h)[1].

Specific inhibition of protozoan CYP51 can potentially provide treatment for human

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

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trypanosomiasis[1].

[1]. Lepesheva GI, et al. CYP51: A major drug target in the cytochrome P450 superfamily. *Lipids*. 2008 Dec;43(12):1117-25.

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