
Product Data Sheet

Product Name: SDZ 224-015

Cat. No.: GC62444

Chemical Properties

Cas. No. 161511-45-1

Formula $C_{30}H_{35}Cl_2N_3O_9$

M.Wt 652.52

Solubility DMSO : 100 mg/mL (153.25 mM; Need ultrasonic) 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

SDZ 224-015 is an orally active inhibitor of the interleukin-1 beta (IL-1 β) converting enzyme and caspase-1. SDZ 224-015 possesses anti-COVID-19 activity, targeting Mpro (IC50 of 30 nM)[1][2].

SDZ 224-015 (0.3-300 μ g/kg) potently reduces carrageenin-induced paw oedema[2]. SDZ 224-015 (0.2-5 mg/kg, p.o.) displays analgesic activity in the Randall-Selitto yeast-inflamed paw pressure test, significant at a dose of 1 mg/kg[2].

[1]. Martin A Redhead, et al. Bispecific repurposed medicines targeting the viral and immunological arms of COVID-19. Sci Rep. 2021 Jun 24;11(1):13208.

[2]. P R Elford, et al. Reduction of inflammation and pyrexia in the rat by oral administration of SDZ 224-015, an inhibitor of the interleukin-1 beta converting enzyme. Br J Pharmacol. 1995 Jun;115(4):601-6.

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

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