

Product Data Sheet

Product Name: Aldumastat

Cat. No.: GC62831

Chemical Properties

Cas. No. 1957278-93-1

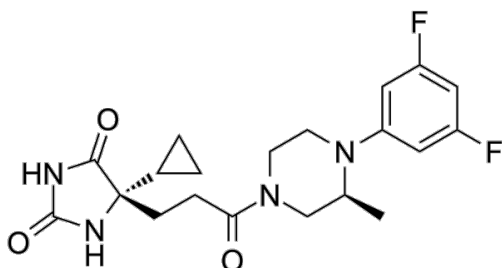
Formula $C_{20}H_{24}F_2N_4O_3$ M.Wt 406.43

Solubility DMSO : 100 mg/mL (246.04 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

Aldumastat (GLPG1972; S201086) is a potent, selective and orally active ADAMTS-5 ($IC_{50}=19$ nM) inhibitor, and has 8-fold selectivity over ADAMTS-4 ($IC_{50}=156$ nM). Aldumastat has anticatabolic activity and is used for osteoarthritis research[1].

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

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

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GLPG1972 (oral gavage; 5 mg/kg; single dose) displays a favorable PK profile in mice, rats, and dogs. The oral availability (F%) for mice, rats, and dogs are 25%, 58% and 97%, respectively[1].

[1]. Franck Brebion, et al. Discovery of GLPG1972/S201086, a Potent, Selective, and Orally Bioavailable ADAMTS-5 Inhibitor for the Treatment of Osteoarthritis. J Med Chem. 2021 Mar 25;64(6):2937-2952.

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