

Product Data Sheet

Product Name: CAY10795

Cat. No.: GC90701

Chemical Properties

Cas. No. 2241676-74-2

Formula $C_{24}H_{22}N_4O_2$

M.Wt 398.5

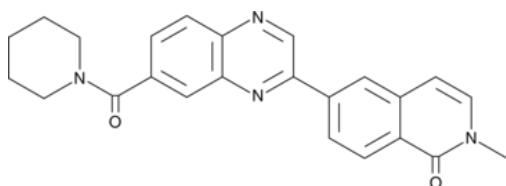
Solubility DMF: 30 mg/ml, DMSO: 30 mg/ml, Ethanol: 25 mg/ml

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

CAY10795 is a 15-droxy prostaglandin dehydrogenase (15-PGDH) inhibitor ($IC_{50} = 3 \text{ nM}$).¹ It increases prostaglandin E_2 levels greater than 3-fold in IL-1 β -stimulated A549 human lung cells when used at a concentration of 500 nM. CAY10795 reduces 15-PGDH activity in the colon of mice when administered at a dose of 20 mg/kg and limits decreases in body weight and colon length and reduces colon ulceration in a mouse model of ulcerative colitis induced by dextran sodium sulfate when administered at a dose of 40 mg/kg. It also accelerates recovery of circulating neutrophils following whole-body radiation and bone marrow transplant in mice when administered at a dose of 10 mg/kg twice per day.

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

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