
Product Data Sheet

Product Name: UDM-001651

Cat. No.: GC37852

Chemical Properties

Cas. No. 1477497-01-0

SMILES COC1=CC(OCC2=CC=CC(OCC3=CC=CC=C3)=C2)=C4C=C(C5=CN6C(SC(OC)=N6)=N5)OC4=C1

Formula $C_{28}H_{23}N_3O_5S$

M.Wt

513.56

Solubility Soluble in DMSO

Storage

Store at -20°C

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

Structure

Background

UDM-001651 is a potent, selective, and orally bioavailable protease-activated receptor 4 (PAR4) antagonist ($IC_{50}=4$ nM; $K_d=1.4$ nM). UDM-001651 shows antiplatelet potency ($IC_{50}=25$ nM) in a γ -thrombin-induced platelet-rich plasma aggregation assay (γ -Thr PRP)[1]. IC_{50} : 4 nM (PAR4)[1] K_d : 1.4 nM (PAR4)[1]

[1]. Miller MM, et al. Discovery of Potent Protease-Activated Receptor 4 Antagonists with in vivo Antithrombotic Efficacy. J Med Chem. 2019 Jun 27.

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

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