

Product Data Sheet

Product Name: GFB-8438

Cat. No.: GC39488

Chemical Properties

Cas. No. 2304549-73-1

SMILES O=C1CN(C2=C(Cl)C(NN=C2)=O)CCN1CC3=CC=CC=C3C(F)(F)F

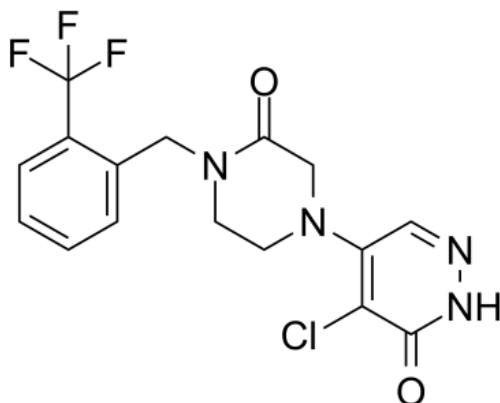
Formula $C_{16}H_{14}ClF_3N_4O_2$ M.Wt 386.76

Solubility DMSO: 83.33 mg/mL (215.46 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

GFB-8438 is a potent and subtype selective TRPC5 inhibitor, with IC₅₀s of 0.18 and 0.29 μM of hTRPC5 and hTRPC4, respectively. GFB-8438 shows excellent selectivity against TRPC6, other TRP family members, NaV 1.5, as well as limited activity against the hERG channel. GFB-8438 protects mouse podocytes from injury induced by protamine sulfate model[1].

[1]. Yu M, et al. Discovery of a Potent and Selective TRPC5 Inhibitor, Efficacious in a Focal Segmental Glomerulosclerosis Model. ACS Med Chem Lett. 2019 Oct 22;10(11):1579-1585.

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

Product Data Sheet

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